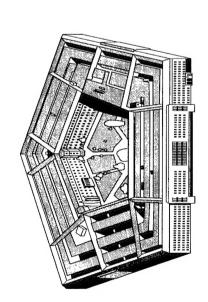
# RDT&E PROGRAMS (R-1)





20050202 039

Department of Defense Budget

Fiscal Year 2005

February 2004 Office of the Under Secretary of Defense (Comptroller)

#### Preface

The RDT&E Programs (R-1) is derived from and consistent with the Comptroller Information System database.

transmittal of the President's Budget. This document is also provided to OASD (PA) for use by non-DoD The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the activities, and is available to the public on the Internet at http://www.dtic.mil/comptroller.

Office of the Under Secretary of Defense (Comptroller)

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### DEPARTMENT OF DEFENSE

FY 2005 RDIGE PROGRAM

ENGLISH ENGLISH

SUMMARY (\$ IN THOUSANDS)

· FEB 2004

AP	APPROPRIATION	zi.				FY 2003	FY 2004	FY 2005
	Research,	Research, Development, Test & Eval, Army	Test	& Eval	, Army	7,594,576	10,201,354	10,435,557
	Research,	Research, Development, Test & Eval, Navy	Test	& Eval		13,699,864	14,969,495	16,346,391
	Research,	Research, Development, Test & Eval, AF	Test	& Eval		18,934,575	20,293,595	21,114,667
	Research,	Research, Development, Test & Eval, DW	Test	& Eval		17,838,715	18,926,698	20,739,837
	Operation	Operational Test & Eval, Defense	l, Dei	fense		239,579	302,080	305,135
	Total	Research, Deve	lopme	ent, Te	Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587

### DEPARTMENT OF DEFENSE

FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	1,368,607	1,403,900	1,330,078
Applied Research	4,268,749	4,423,216	3,877,745
Advanced Technology Development	5,091,158	6,254,129	5,342,527
Advanced Component Development & Prototypes	10,636,978	13,305,818	15,351,870
System Development & Demonstration	13,392,610	15,902,316	19,270,725
RDT&E Management Support	4,046,437	3,277,828	3,260,574
Operational Systems Development	19,502,770	20,126,015	20,508,068
Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587
Summary Recap of FYDP Programs			
Strategic Forces	227,691	301,797	374,709
General Purpose Forces	3,924,872	4,271,548	4,919,418
Intelligence and Communications	13,518,630	13,865,081	13,807,793
Mobility Forces	642,828	770,491	835,980
Guard and Reserve Forces	8,553	4,600	
Research and Development	39,052,984	44,277,739	47,947,540
Central Supply and Maintenance	341,650	396,420	248,734
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	123,749	202,755	310,404
Support of Other Nations	4,143	28,695	34,939
Special Operations Forces	461,910	570,866	458, 698
Total Research, Development, Test & Evaluation	58,307,309	64,693,222	68,941,587

### DEPARTMENT OF THE ARMY

### FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	242,924	381,593	317,506
Applied Research	852,485	1,039,845	651;192
Advanced Technology Development	1,095,874	1,205,226	814,615
Advanced Component Development & Prototypes	944,163	920,801	734,493
System Development & Demonstration	2,430,934	4,663,567	6,129,313
RDI&E Management Support	954,015	893,813	859,298
Operational Systems Development	1,074,181	1,096,509	929,140
Total Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557
Summary Recap of FYDP Programs			
Strategic Forces	33,489	58,397	81,514
General Purpose Forces	546,244	541,560	410,551
Intelligence and Communications	320,295	326,298	270,825
Research and Development	6,614,798	9,188,748	9,603,839
Central Supply and Maintenance	79,066	85,853	68,233
Administration and Associated Activities	181		
Support of Other Nations	503	498	595
Total Research, Development, Test & Eval, Army	7,594,576	10,201,354	10,435,557

### DEPARTMENT OF THE ARMY FY 2005 RDIEE PROGRAM

EXHIBIT R-1

FY 2005 RDIGE PROGRA

2040A Research, Development, Test & Eval, Army  Item  In-House Laboratory Independent  1 20,255	FY 2003	FY 2003	Thousands of Dol	nusands of Dol	1ars	8 EY 2005 E
Item Act FY 2003 A In-House Laboratory Independent 1 20,255 Research	Item Act FY 2003 Laboratory Independent 1 20,255	FY 2003	20,255	Ą	Thousands of Dollars  FY 2004  23,914	<b>FY 20</b> (23, 9-
0601102A Defense Research Sciences 1 138,432 0601103A University Research Initiatives 1	Research Sciences 1 Ly Research Initiatives 1	1 138,432	138,432		156,146	131,206 U
	н	1 84,237	84,237		98,786	
0601105A Force Health Protection 1	e Health Protection 1	242,924	242,924		16,505	9,538 U
0602105A Materials Technology 2 35,041	terials Technology		35,041		39,972	15,385 U
0602120A Sensors and Electronic 2 21,700 Survivability	2		21,700		25,230	25,629 U
0602122A TRACTOR HIP 2 6,322			6,322		5,649	6,627 U
0602211A Aviation Technology 2 39,163	. 2	2 39,163	39,163		39,172	41,629 U
	2	2 17,002	17,002		16,471	18,034 U
0602303A Missile Technology 2 52,793	2	2 52,793	52,793		91,560	51,993 U
0602307A Advanced Weapons Technology 2 19,785	2		19,785		14,706	16,641 U
0602308A Advanced Concepts and Simulation 2 28,453	и.	2 28,453	28,453		30,431	15,041 U
0602601A Combat Vehicle and Automotive 2 81,562 Technology	7	2 81,562	81,562		125,147	69, 638 U
0602618A Ballistics Technology 2 61,372	2		61,372		57,197	51,301 U
0602622A Chemical, Smoke and Equipment 2 15,480 Defeating Technology	Smoke and Equipment 2 Fechnology		15,480		21,722	3,476 U
0602623A Joint Service Small Arms Program 2 5,373	2		5,373		5,649	5,739 U
0602624A Weapons and Munitions Technology 2 71,917	7		71,917		75,266	44,666 U
0602705A Electronics and Electronic Devices 2 61,510	7	2 61,510			76,809	41,236 U
0602709A Night Vision Technology 2 18,707	N	2 18,707	18,707		21,506	22,617 U

### DEPARTMENT OF THE ARMY FY 2005 RDT&E PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

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	FY 2005	20,547	16,899	17,026	18,604	3,982	47,152	15,322	21,131	60,877	651,192	68,034	38,404	69, 549	67, 622	203,126	9,946	7,288	41,760	8,035
Thousands of Dollars	FY 2004	26,016	23,913	30,824	18,115	4,010	51,577	15,053	49,349	174,501	1,039,845	66,855	217,737	84,966	53,737	270,656	11,339	8,921	59,170	7,686
Ţ	FY 2003	18,408	20,247	26,461	20,805	3,931	54,562	15,130	35,826	120,935	852,485	55, 618	168,093	42,388	61,206	304,885	8,700	7,606	28,662	16,943
				٠.														٠	•	
	Act	7	8	8	8	81	7	8	7	. 7		m	ю	m	m.	m	. m	m	ю	m
	Item	Countermine Systems	Human Factors Engineering Technology	Environmental Quality Technology	Command, Control, Communications Technology	Computer and Software Technology	Military Engineering Technology	Manpower/Personnel/Training Technology	Warfighter Technology	Medical Technology	Research	Warfighter Advanced Technology	Medical Advanced Technology	Aviation Advanced Technology	Weapons and Munitions Advanced Technology	Combat Vehicle and Automotive Advanced Technology	Command, Control, Communications Advanced Technology	Manpower, Personnel and Training Advanced Technology	Electronic Warfare Advanced Technology	TRACTOR HIKE
Program	Number	0602712A	0602716A	0602720A	0602782A	0602783A	0602784A	0602785A	.0602786A	0602787A	Applied Research	0603001A	0603002A	0603003A	0603004A	0603005A	0603006A	0603007A	0603008A	0603009A
i i	읾	21	22	23	24	25	26	27	28	29	٠	30	31	32	. 33	. 34	35	36	37	38

DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	APPROPRIATION: 2040A 1	DA Research, Development, Test & Eval, Army	1, Army			Date: FEB 2004	
Line	Program Flement			Thousan	Thousands of Dollars	<b>60</b> F	
욁	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
39	0603015A	Next Generation Training & Simulation Systems	m		15,658	18,072 U	
40	0603020A	TRACTOR ROSE	e	3,261	4,159	4,736 U	
41	0603103A	Explosives Demilitarization Technology	m		24,842	ο 90,706	
42	0603105A	Military HIV Research	m ·		14,059	6,641 U	
43	0603125A	Combating Terrorism, Technology Development	m	41,822	8,610	3,383 U	
44	0603238A	Global Surveillance/Air Defense/ Precision Strike Technology Demonstration	ю	29,774	12,505	10,721 U	
45	0603270A	Electronic Warfare Technology	e	18,566	25,360	9,382 U	
46	0603313A	Missile and Rocket Advanced Technology	m	100,616	121,126	. 92,800 U	
47	0603322A	TRACTOR CAGE	m	2,938	7,499	13,312 U	
48	.0603606A	Landmine Warfare and Barrier Advanced Technology	ო	28,075	29,662	25,577 U	٠.
49	0603607A	Joint Service Small Arms Program	ĸ	16,396	9,575	5,968 U	
20	0603654A	Line-Of-Sight Technology Demonstration	m	29,931	8,739	Đ	
51	0603710A	Night Vision Advanced Technology	e	77,129	84,066	50,071 U	
52	0603728A	Environmental Quality Technology Demonstrations	m	12,694	20,462	14,666 U	
53	0603734A	Military Engineering Advanced Technology	m	13,643	13,106	3,865 U	
54	0603772A	Advanced Tactical Computer Science and Sensor Technology	m	26,928	24,731	31,951 U	
,	Advanced	Advanced Technology Development	•	1,095,874	1,205,226	814,615	
55	0603305A	Army Missile Defense Systems Integration(Non Space)	4	36,790	108,078	53,509 U	

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DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

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EXHIBIT R-1	Date: FEB 2004		FY 2005	4,871	91,713	11,634	6,249	39,697	,	51,892	13,810	15,441	14,047	9,356	99, 645	4,801	9,233	2,382	10,485	6,366	10,258
		Thousands of Dollars	FY 2004	35,532	121,489	36,563	10,147	26,055		60,692	13,833	16,878	7,005	40,509	81,393	2,747	14,307	31,500	12,863	8,585	13,392
S ARMY ROGRAM		Thous	FY 2003	56,974		9,719	2,324	26,367	127,951	150,234	19,664	16,112	10,984	30,980	48,849	4,561	10,660	35,634	11,997	8,275	13,280
DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM	, Army		Act	4	4	4	4	4	4	4	4	4	4	4	অ'	4	4	4	4	4	4
S .	겁							o													
DEPART FY 20	10A Research, Development, Test & Eval, Army		Item	Army Missile Defense Systems Integration (Space)	Air and Missile Defense Systems Engineering	Landmine Warfare and Barrier - Adv Dev	Smoke, Obscurant and Target Defeating Sys-Adv Dev	Tank and Medium Caliber Ammunition	Armored System Modernization - Adv Dev	Advanced Tank Armament System (ATAS)	Soldier Support and Survivability	Tactical Electronic Surveillance System - Adv Dev	Night Vision Systems Advanced Development	Environmental Quality Technology	Warfighter Information Network-Tactical	NATO Research and Development	Aviation - Adv Dev	Weapons and Munitions - Adv Dev	Logistics and Engineer Equipment - Adv Dev	Combat Service Support Control System Evaluation and Analysis	Medical Systems - Adv Dev
DEPART FY 20	APPROPRIATION: 2040A Research, Development, Test & Ev	Program	Element Number Item		0603327A Air and Missile Defense Systems Engineering		0603627A Smoke, Obscurant and Target Defeating Sys-Adv Dev	0603639A Tank and Medium Caliber Ammuniti	0603645A Armored System Modernization - Adv Dev	0603653A Advanced Tank Armament System (ATAS)	0603747A Soldier Support and Survivability	0603766A Tactical Electronic Surveillance System - Adv Dev	0603774A Night Vision Systems Advanced Development	0603779A Environmental Quality Technology	0603782A Warfighter Information Network-Tactical	0603790A NATO Research and Development	0603801A Aviation - Adv Dev	0603802A Weapons and Munitions - Adv Dev	0603804A Logistics and Engineer Equipment - Adv Dev	0603805A Combat Service Support Control System Evaluation and Analysis	0603807A Medical Systems - Adv Dev

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### DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

EXHIBIT R-1

Number			Thous	Thousands of Dollars		co t
1	Item	Act	FY 2003	FY 2004	FY 2005	a 01
0603850A	<pre>Integrated Broadcast Service (JMIP/DISTP)</pre>	4	1,928	2,073	4,356	Þ
0603854A	Artillery Systems	4	306,778			D
0603856A	SCAMP Block II	4.	. 14,102	27,716	10,221	Ð
0603869A	Medium Extended Air Defense System (MEADS) Concepts	4		249,444	264,527	D
vanced C	Advanced Component Development & Prototypes		944,163	920,801	734,493	
0604201A	Aircraft Avionics	ın	35,971	47,155	68,857	n
0604220A	Armed, Deployable OH-58D	ທ	1,759			n
0604223A	Comanche	5	865,613	1,068,029	1,229,664	D
0604270A	Electronic Warfare Development	ស	38,291	32,870	16,879	n
0604280A	Joint Tactical Radio	r)	62,892	133,293	121,400	a
0604321A	All Source Analysis System	Ŋ	54,341	19,959	5,346	D
0604328A	TRACTOR CAGE	ហ	9,304	16,046	14,149	Þ
0604329A	Common Missile	ທຸ	28,104	93,705	152,381	D.
0604601A	Infantry Support Weapons	r)		28,340	28,187	Þ
0604604A	Medium Tactical Vehicles	G	3,584	4,321	2,854	Þ
0604609A	Smoke, Obscurant and Target Defeating Sys-SDD	ស	7,521	11,968	3,798	D
0604611A	JAVELIN	ß	467	946	944	D
0604622A	Family of Heavy Tactical Vehicles	ις	13,852	16,875	2,479	n
0604633A	Air Traffic Control	ιΩ	2,161	2,489	2,088	D
0604641A	Tactical Unmanned Ground Vehicle (TUGV)	ហ	1,146			Ω
0604642A	Light Tactical Wheeled Vehicles	ĸ	006 1.	18,010		D

#### DEPARTMENT OF THE ARMY FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

															•			
S.	FY 2005 C	2,700,455 U	497,643 U	D	24,693 U	115,093 U	51,694 U	J 3,199 U	2,485 U	D	27,376 U	42,869 U	4,713 U	26,985 U	21,821 U	21 U		2,048 U
Thousands of Dollars	FY 2004	1,423,146	260,495		38,816	98,960	70,870	6,905	3,275		28,993	16,818	11,316	25,789	26,022	768'6	4,656	1,558
Thousa	FY 2003	159,175		7,651	31,687	686,08	55,865	8,092	3,359	28,759	26,983	43,673	12,647	18,087	57,229	55,922	4,509	
	Act	и.	ĸ	Ŋ	ĸ	ហ	2	2	Ŋ	س	ഹ	ഹ	വ	ហ	Ŋ	ம .	ഗ	LΩ.
	Item	Armored Systems Modernization (ASM)-SDD	Non-Line of Sight Cannon	Engineer Mobility Equipment Development	Night Vision Systems - SDD	Combat Feeding, Clothing, and Equipment	Non-System Training Devices - SDD	Terrain Information - SDD	Integrated Meteorological Support System	JSIMS Core Program	Air Defense Command, Control and Intelligence - SDD	Constructive Simulation Systems Development	Automatic Test Equipment Development	Distributive Interactive Simulations (DIS) - SDD	Tactical Surveillance Systems - SDD	Army Tactical Missile System (ATACMS)	Joint Surveillance/Target Attack Radar System (JSTARS)	Positioning Systems Development (SPACE)
Program	Element	0604645A	0604647A	0604649A	0604710A	0604713A	0604715A	0604716A	0604726A	0604738A	0604741A	0604742A	0604746A	0604760A	0604766A	0604768A	0604770A	0604778A
	Line No	94	95	96	16	.86	66	100	101	102	103	104	105	106	107	108	109	110

### DEPARTMENT OF THE ARMY FY 2005 RDIGE PROGRAM

EXHIBIT R-1

APPRO	PRIATION: 204	APPROPRIATION: 2040A Research, Development, Test & Eval, Army	1, Army			Date: FEB 2004	04
Line	Program Element			Thousa	Thousands of Dollars		o M
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	OI
111	0604780A	Combined Arms Tactical Trainer (CAIT) Core	· ·	8,162	3,956	23,849	Þ
112	0604783A	Joint Network Management System	ហ	7,673	9,339	10,726	D
113	0604801A	Aviation - SDD	ស	2,979	3,344	2,378	n
114	0604802A	Weapons and Munitions - SDD	ស	49,830	157,076	125,885	n
115	0604804A	Logistics and Engineer Equipment - SDD	S	56, 101	87,471	89,151	Þ
116	0604805A	Command, Control, Communications Systems - SDD	လ	89,465	216,811	219,790	D
117	0604807A	Medical Materiel/Medical Biological Defense Equipment - SDD	·w	18,769	22,615	11,727	Ð
118	0604808A	Landmine Warfare/Barrier - SDD	'n	125,024	96,187	51,045	Þ
119	0604814A	Artillery Munitions	ស	102,141	122,631	133,297	D
120	0604817A	Combat Identification	ស	4,983	11,817	6,994	D.
121	0604818A	Army Tactical Command & Control Hardware & Software	ιΩ	97,970	101,166	68,110	D
122	0604819A	LOSAT	S	10,603	30,488	22,628	Ð
123	0604820A	Radar Development	ĸ			6,107	Ω
124	0604823A	Firefinder	S.	28,401	26,825	18,516	a
125	0604854A	Artillery Systems	ĸ	30,483	32,289	9,550	D
126	0604865A	Patriot PAC-3 Theater Missile Defense Acquisition	ı,		156,827	64,178	D
127	0605013A	Information Technology Development	2	70,817	63,203	95,261	n
	System D	evelopment & Demonstration		2,430,934	4,663,567	6,129,313	
128	0604256A	Threat Simulator Development	ø	17,593	19,601	22,101	D
129	0604258A	Target Systems Development	9	10,049	13,444	11,017	D
130	0604759A	Major T&E Investment	9	47,054	60,141	57,987	D

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DEPARTMENT OF THE ARMY FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

Line	Program Element			Thousa	Thousands of Dollars		on M	
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	Ol	
131	0605103A	Rand Arroyo Center	ø	21,163	22,072	20,012	D	
132	0605301A	Army Kwajalein Atoll	ø	125,327	138,884	143,921	n	
133	0605326A	Concepts Experimentation Program	ø	23,330	30,704	22,727	D	
134	0605502A	Small Business Innovative Research	G	179,142			D.	
135	0605601A	Army Test Ranges and Facilities	ဖ	129,665	182,885	181,114	D	
136	0605602A	Army Technical Test Instrumentation and Targets	9	41,774	56,899	. 52,433	D	
137	0605604A	Survivability/Lethality Analysis	•	34,921	41,860	44,648	. <b>D</b>	
138	0605605A	DOD High Energy Laser Test Facility	ø	16,672	18,299	15,725	n	
139	0605606A	Aircraft Certification	9	3,555	2,999	2,985	Ω	
140	0605702A	Meteorological Support to RDI&E Activities	ø	6,792	9,359	. 8,711	Þ.	,
141	0605706A	Materiel Systems Analysis	9	8,978	15,642	18,000	Ω	
142	0605709A	Exploitation of Foreign Items	9	3,430	3,465	4,740	Ω	
143	0605712A	Support of Operational Testing	9	83,911	66,995	71,239	n	
144	0605716A	Army Evaluation Center	9	43,809	46,527	62,209	Ω	
145	0605718A	Simulation & Modeling for Acq, Rqts, & Tng (SMART)	<b>v</b>		2,568	1,935	D .	
146	0605801A	Programwide Activities	9	59,836	62,966	59,368	D	
147	0605803A	Technical Information Activities	<b>6</b>	54,182	42,122	27,713	Ω	
148	0605805A	Munitions Standardization, Effectiveness and Safety	٠ •	30,002	39,783	14,611	D	
149	0605857A	Environmental Quality Technology Mgmt Support	. <b>(c</b>	1,794	4,780	4,527	D	
150	0605898A	Management HQ - R&D	g	10,855	11,818	11,575	Ω	

#### DEPARTMENT OF THE ARMY FY 2005 RDTGE PROGRAM

Program Element Number 0909999A RDTEE MA		1				
Number Number 090999A RDTEE M	-		The state of the s	Thomas of helland		
Number 0909999A RDTEE M						H
0909999A RDTEE M	Item	Act	FY 2003	FY 2004	FY 2005	UI
RDTEE M	Financing for Cancelled Account Adjustments	v	. 181			Þ
	RDTEE Management Support		954,015	893,813	859,298	
0603778A	MLRS Product Improvement Program	7	94,584	83,903	97,422	D
0102419A	Aerostat Joint Project Office	7	33,489	58,397	81,514	D
0203610A	Domestic Preparedness Against WMD	7	2,437	3,956		D
0203726A	Adv Field Artillery Tactical Data System	7	44,959	28,599	17,994	D
0203735A	Combat Vehicle Improvement Programs	7	81,285	31,336	15,952	Þ
0203740A	Maneuver Control System	7	40,612	39,145	24,753	11
0203744A	Aircraft Modifications/Product Improvement Programs	7	206,500	276,191	224,368	D
0203752A	Aircraft Engine Component Improvement Program	7	6,759	5,339	2,427	D
0203758A	Digitization	7	27,727	18,049	24,506	D
0203759A	Force XXI Battle Command, Brigade and Below (FBCB2)	٢	59,887	47,901	23,510	D
0203801A	Missile/Air Defense Product Improvement Program	7	39,262	46,055	31,690	Þ
0203802A	Other Missile Product Improvement Programs	7	12,229	1,061	4,863	D
0203806A	TRACTOR RUT	7		8,754	3, 321	D
0203808A	TRACTOR CARD	7	8,495	9,153	9,023	Þ
0208010A	Joint Tactical Communications Program (TRI-TAC)	7	13,281	16,362	18,177	D
0208053A	Joint Tactical Ground System	7	2,811	629 6	196'6	Ð
0301359A	Special Army Program	7	12,445	19,737		

#### DEPARTMENT OF THE ARMY FY 2005 RDT&E PROGRAM

APPROPRIATION: 2040A Research, Development, Test & Eval, Army

EXHIBIT R-1 Date: FEB 2004

### DEPARTMENT OF THE NAVY

### FY 2005 RUTER PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	405,934	484,048	476,984
. Applied Research	778,159	723,697	564,067
Advanced Technology Development	813,556	1,009,367	677,172
Advanced Component Development & Prototypes	2,660,947	2,807,473	2,803,667
System Development & Demonstration	5,184,832	6,359,897	8,008,517
RDI&E Management Support	939,374	686,839	653, 996
Operational Systems Development	2,917,062	2,898,174	3,161,988
Total Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391
Summary Recap of FYDP Programs	•		
Strategic Forces	86,511	132,359	192,034
General Purpose Forces	943,705	951,287	941,570
Intelligence and Communications	1,419,840	1,575,795	1,060,115
Guard and Reserve Forces	8,553	4,600	
Research and Development	11,137,121	12,217,708	14,085,842
Central Supply and Maintenance	96,156	87,746	66,830
Administration and Associated Activities	7,978		
Total Research, Development, Test & Eval, Navy	13,699,864	14,969,495	16,346,391

#### DEPARTMENT OF THE NAVY FY 2005 RDT&E PROGRAM

EXHIBIT.R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Train	Program			Thouse	Thousands of Dollars		ល ធ
Defense Research Initiatives   1   12,878   17,196   17,664     Research	Jer	Item	Act	FY 2003	FY 2004	FY 2005	U
In-House laboratory Independent   1 12,878   17,196   17,664	1031	Uni	н		91,489	83,508	D
Power Projection Applied Research         1         393,056         375,363         375,812           Power Projection Applied Research         2         110,232         142,626         96,269           Marine Corps landing Force         2         113,066         112,868         96,269           Marine Corps landing Force         2         28,247         32,375         35,398           Communications, Command and Control, Intell, Surveillance         2         1,000         1,705         35,375         35,398           Materials, Electronics and Control, Intell, Surveillance         2         1,000         1,705         35,375         35,398           Communer Tachnology         2         1,000         1,780         35,398         35,398           Research         2         1,22,03         95,432         60,134           Research         3         49,244         49,151           Applied Research         2         65,431         62,305         48,482           Mine and Expeditionary Warfare         2         49,244         49,151           Abplied Research         3         47,929         48,016           Assearch         47,929         47,929         48,016           Assearch         778,159	1521		н .	12,878	17,196	17,664	D
Power Projection Applied Research   2   110,232   142,626   98,831	1531	Def	н	393,056	375,363	375,812	D
Power Projection Applied Research         2         110,232         142,626         98,831           Force Protection Applied Research         2         113,066         112,868         96,269           Marine Corps Landing Force         2         28,247         32,375         35,398           Communications, Command and Control, Intell, Surveillance         2         1,000         1,705         35,398           Materials, Electronics and Control on Technology         2         1,000         1,780         60,134           Materials, Electronics and Communications and Computer Technology         2         142,203         95,432         60,134           Martighter Sustainment Applied Research         2         102,075         100,645         63,726           RE Systems Applied Research         2         66,431         62,305         48,482           Ocean Warfate Applied Research         2         66,431         62,305         48,016           Mine and Expeditionary Warfare         2         49,363         47,929         48,016           Assasarch         778,159         723,697         564,067           Power Projection Advanced         3         176,336         20,668         92,359           Force Protection Advanced         3         196,085	881	: Research		405,934	484,048	476,984	
Marine Corps Landing Force         2         113,066         112,868         96,269           Marine Corps Landing Force         2         28,247         32,375         35,398           Technology         1,333         1,705         35,398           Communications, Command and Control, Intell, Surveillance         2         1,000         1,705           Human Systems Technology         2         9,553         1,780           Common Picture Applied Research         2         102,075         100,645         60,134           Warfighter Sustainment Applied Research         2         102,075         100,645         63,726           RF Systems Applied Research         2         66,431         62,305         48,482           Ocean Warfighting Environment         2         66,431         62,305         48,482           Mine and Expeditionary Warfare         2         49,363         47,929         48,016           Mine and Expeditionary Warfare         2         49,363         47,929         48,016           Assearch         778,159         723,697         564,067           Power Projection Advanced         3         116,336         260,688         92,359           Force Protection Advanced         3         19,085	1141		2	110,232	142,626	98,831	Ω
Marine Corps landing Force         28,247         32,375         35,398           Technology         1,333         55,398           Communications, Command and Control, Intell, Survaillance         1,000         1,705         1,780           Human Systems Technology         2         1,000         1,780         60,134           Materials, Electronics and Computer Technology         2         142,203         95,432         60,134           Computer Technology         2         102,075         100,645         63,726           Research         2         69,232         49,244         49,151           Ocean Warfighting Environment         2         66,431         62,305         48,482           Undersea Warfare Applied Research         2         49,244         49,151           Whine and Expeditionary Warfare         2         49,343         76,788         64,060           Mine and Expeditionary Warfare         2         49,363         723,687         564,067           Power Projection Advanced         3         176,336         260,688         92,359           Force Protection Advanced         3         176,336         119,838         82,130	1231	For	8	113,066	112,868	96,269	Þ
Communications, Command and Control, Intell, Surveillance         1,333         1,705           Human Systems Technology         2         1,000         1,705           Materials, Electronics and Computer Technology         2         9,553         1,780           Common Picture Applied Research         2         142,203         95,432         60,134           Warfighter Sustainment Applied Research         2         102,075         100,645         60,134           RF Systems Applied Research         2         69,232         49,244         49,151           Ocean Warfighting Environment Applied Research         2         66,431         62,305         48,482           Undersea Warfare Applied Research         2         49,363         47,929         48,016           Mine and Expeditionary Warfare         2         49,363         47,929         48,016           Applied Research         2         778,467         773,697         564,067           Power Projection Advanced         3         176,336         92,359           Force Protection Advanced         3         89,085         119,838         82,130	1311		7	28,247	32,375	868'38	D
Human Systems Technology         2         1,000         1,705           Materials, Electronics and Computer Technology         2         9,553         1,780           Computer Technology         2         142,203         95,432         60,134           Marfighter Sustainment Applied         2         102,075         100,645         63,726           Research         2         69,232         49,244         49,151           Ocean Warfighting Environment Applied Research         2         66,431         62,305         48,482           Mine and Expeditionary Warfare Applied Research         2         49,363         47,929         48,016           Applied Research         2         49,363         47,929         48,016           Applied Research         2         260,688         92,359           Power Projection Advanced         3         176,336         260,688         92,359           Force Protection Advanced         3         89,085         119,838         82,130	2321			1,333			n
Materials, Electronics and Computer Technology         2         9,553         1,780           Common Picture Applied Research Research         2         142,203         95,432         60,134           Warfighter Sustainment Applied Research Research         2         102,075         100,645         63,726           RF Systems Applied Research Applied Research Applied Research Undersea Warfare Applied Research Total Res	2331		7	1,000	1,705		D
Common Picture Applied Research         2         142,203         95,432         60,134           Warfighter Sustainment Applied         2         102,075         100,645         63,726           Research         2         69,232         49,244         49,151           Ocean Warfighting Environment Applied Research         2         66,431         62,305         48,482           Applied Research         2         49,363         47,929         48,016           Wine and Expeditionary Warfare Applied Research         2         49,363         47,929         48,016           Applied Research         778,159         723,697         564,067           Power Projection Advanced         3         176,336         260,688         92,359           Force Protection Advanced         3         89,085         119,838         82,130	234	Materials, Computer Te	8	9,553	1,780		D
Warfighter Sustainment Applied Research         2         102,075         100,645         63,726           RE Systems Applied Research Applied Research Undersea Warfighting Environment Applied Research Undersea Warfare Applied Research Undersea Warfare Applied Research Trechnology         2         49,363         47,929         48,016           Assaarch Research Footection Advanced Technology Trechnology         3         176,336         560,688         92,359           Force Protection Advanced Technology         3         89,085         119,838         82,130	2351		7	142,203	95,432	60,134	D
RF Systems Applied Research         2         69,232         49,244         49,151           Ocean Warfighting Environment Applied Research         2         66,431         62,305         48,482           Undersea Warfare Applied Research Splied Research Applied Research         2         49,363         47,929         48,016           Mine and Expeditionary Warfare Applied Research Applied Research         2         49,363         47,929         48,016           Rower Projection Advanced Fechnology         3         176,336         260,688         92,359           Force Protection Advanced Fechnology         3         89,085         119,838         82,130	22361		8	102,075	100,645	63,726	Þ
Ocean Warfighting Environment         2         66,431         62,305         48,482           Applied Research         2         85,424         76,788         64,060           Mine and Expeditionary Warfare Applied Research         2         49,363         47,929         48,016           Applied Research         778,159         723,697         564,067           Power Projection Advanced         3         176,336         260,688         92,359           Force Protection Advanced Technology         3         89,085         119,838         82,130	172	RF	7	69,232	49,244	49,151	D
Undersea Warfare Applied Research         2         85,424         76,788         64,060           Mine and Expeditionary Warfare Applied Research         2         49,363         47,929         48,016           ***Applied Research         778,159         723,697         564,067           ***Power Projection Advanced Technology         3         176,336         260,688         92,359           ***Force Protection Advanced Technology         3         89,085         119,838         82,130	435		0	66,431	62,305	48, 482	D
Mine and Expeditionary Warfare         2         49,363         47,929         48,016           Applied Research	747	Und .		85,424	76,788	64,060	D
ed Research         778,159         723,697         564,067           Power Projection Advanced         3         176,336         260,688         92,359           Force Protection Advanced         3         89,085         119,838         82,130	782	Min	7	49,363	47,929	48,016	n
Power Projection Advanced         3         176,336         260,688         92,359           Technology         89,085         119,838         82,130	pp1.	ed Research		778,159	723,697	564,067	
Force Protection Advanced 3 89,085 119,838 82,130 Technology	114		m	176,336	260,688	92, 359	D
	3123		m <sub>.</sub>	89,085	119,838	82,130	D

### DEPARTMENT OF THE NAVY FY 2005 RDTEE PROGRAM

EXHIBIT R-1

Line	Program			Thous	Thousands of Dollars		OD EX
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	OI
18	0603235N	Common Picture Advanced Technology	m	45,656	79,690	79,521	U
19	0603236N	Warfighter Sustainment Advanced Technology	т	90,501	86,464	61,103	Ω
20	0603271N	RF Systems Advanced Technology	ю	70,973	62,041	44,046	n
21	0603640M	USMC Advanced Technology Demonstration (ATD)	ω·	73,607	90,110	58,222	Þ
22	0603712N	Environmental Quality and Logistics Advanced Technology	m	096			Ω
23	0603727N	Navy Technical Information Presentation System	ო	101,816	137,315	167,626	D
24	0603729N	Warfighter Protection Advanced Technology	m	32,757	28,318	16,719	D
25	0603747N	Undersea Warfare Advanced Technology	m	45,080	46,544	26,515	Þ
26	NL91819	Joint Warfare Experiments	е		19,956	26	D
27	0603758N	Navy Warfighting Experiments and Demonstrations	m	42,138	39,490	16,006	D
28	0603782N	Mine and Expeditionary Warfare Advanced Technology	ო	42,266	38,913	32,899	D
29	0603792N	Advanced Technology Transition	m	2,381			Ω
	Advanced	Advanced Technology Development		813,556	1,009,367	677,172	
30	0603207N	Air/Ocean Tactical Applications	4	31,937	22,575	24,431	U
31	0603216N	Aviation Survivability	4	20,359	21,628	10,820	D
32	0603237N	Deployable Joint Command and Control	ব	31,527	63,541	42,394	D
33	0603254N	ASW Systems Development	4	25,011	14,340	4,541	Ω
34	0603261N	Tactical Airborne Reconnaissance	4	1,877	2,029	6,448	Ω
35	0603382N	Advanced Combat Systems Technology	4	3.214	5.730	303 63	

#### DEPARTMENT OF THE NAVY FY 2005 RDTEE PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

Date: FEB 2004 3, 723 157,479 78,223 946 17,633 81,160 80,840 236,969 103,308 46,896 36,915 19,970 47,786 352,089 34,151 18,993 5,957 169,733 FY 2005 82,532 Thousands of Dollars 44,891 4,456 69,405 92,539 6,948 20,846 97,969 36,664 93,860 73,181 20,258 1,097 198,999 6,534 17,127 166,180 42,063 FY 2004 145,678 156,603 237,893 88,360 79,126 1,053 3,108 2,180 35,322 57,957 17,613 FY 2003 13,929 71,613 29,644 12,502 24,685 211,314 2,807 29,815 140,512 247,513 126,891 263,299 Act Submarine Tactical Warfare Systems Advanced Surface Machinery Systems Advanced Nuclear Power Systems Surface and Shallow Water Mine Marine Corps Assault Vehicles Ship Concept Advanced Design Surface Ship Torpedo Defense Carrier Systems Development Shipboard System Component Development Littoral Combat Ship (LCS) Advanced Submarine System Development Ship Preliminary Design & Feasibility Studies Combat System Integration Conventional Munitions Radiological Control Countermeasures SSGN Conversion RETRACT JUNIPER Item RETRACT LARCH CHALK EAGLE Surface ASW PILOT FISH 0603502N 0603506N 0603512N 0603513N 0603525N 0603527N 0603536N 0603542N 0603553N 0603559N 0603561N 0603562N 0603563N 0603564N 0603570N 0603573N 0603576N 0603581N 0603582N N603E090 0603611M Program Element 49 20 37 38 39 48 Line 40 21 52

UNCLASSIFIED

### DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

	Program			Thousa	Thousands of Dollars		O p
	Number	Item	Act	FY 2003	FY 2004	FY 2005	a OI
57	0603612M	USMC Mine Countermeasures Systems - Adv Dev	4	310	1,202	4,522	D
28	0603635M	Marine Corps Ground Combat/ Support System	4	31,622	26,009	22,440	D
29	0603654N	Joint Service Explosive Ordnance Development	4	12,360	16,868	18,047	D
09	0603658N	Cooperative Engagement	4	106,020	86,725	103,452	D
61	0603713N	Ocean Engineering Technology Development	₹.	24,585	17,977	. 26,232	n
62	0603721N	Environmental Protection	4	43,048	31,855	24,641	D.
63	0603724N	Navy Energy Program	4	14,712	4,636	1,494	Ω
64	0603725N	Facilities Improvement	4	3,276	1,424	1,621	D
65	0603734N	CHALK CORAL	4	67,617	60,718	58,467	D
99	N667E090	Navy Logistic Productivity	4	28,844	17,989	7,421	D
67	0603746N	RETRACT MAPLE	4	244,120	297,370	275,407	D
89	0603748N	LINK PLUMERIA	ব	80,453	104,186	112,997	D
69	0603751N	RETRACT ELM	4	24,390	43,210	48,130	D
70	0603755N	Ship Self Defense	4	9,101	9,625	9,493	D
71	0603764N	LINK EVERGREEN	4	47,820	94,470	63,346	D
72	0603787N	Special Processes	4	47,104	52,855	44,232	D
73	0603790N	NATO Research and Development	4	12,804	11,338	10,151	Ω
74	NS67E090	Land Attack Technology	4	122,032	119,684	82,049	Ω
75	0603851M	Nonlethal Weapons	4	24,797	43,929	43,321	Ω
92	0603857N	All Service Combat Identification Evaluation Team (ASCIET)	4	13,715	14,886	13,626	D
11	0603860N						1

### DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

						٠		
Line	Program			Thous	Thousands of Dollars		ហម	
S S	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı Ol	
78	0603879N	Single Integrated Air Picture (SIAP) System Engineer (SE)	4	67,034	14,411	20,252	Ω	
.62	N688E090	Counterdrug RDT&E Projects	4	16,200			Д	
80	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	4,	ľ	11,866		Ð	
81	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	4	33,598	37,172	25, 943	D	
82	0604787N	Joint Warfare Transformation Programs	4			22,450	.D	
	Advanced	Component Development & Prototypes		2,660,947	2,807,473	2,803,667		
83	0604212N	Other Helo Development	ស	59,490	64, 699	186,970	D	
84	0604214N	AV-8B Aircraft - Eng Dev	Ŋ	17,712	8,630	12,284	D	
85	0604215N	Standards Development	ις	42,007	49,867	57, 675	, D	
98	0604216N	Multi-Mission Helicopter Upgrade Development	ın	89, 943	76,141	78,757	Ð	
87	0604217N	S-3 Weapon System Improvement	ى	398		r	D	
88	0604218N	Air/Ocean Equipment Engineering	r.	7,332	3,041	4,506	D	
8	0604221N	P-3 Modernization Program	ហ	887.	14,593	9,554	ū	
90	0604230N	Warfare Support System	ın,		1,976	5,201	D.	
.16	0604231N	Tactical Command System	S	68,220	65,443	49,180	. Д	
92	0604234N	Advanced Hawkeye	د	107,043	343,306	597,015	. D	
93	0604245N	H-1 Upgrades		232,229	90,965	90,389	О	
94	0604261N	Acoustic Search Sensors	'n	13,311	16,940	13,363	D	
95	0604262N	V-22A	C	387,421	402,483	304,164	D.	
96 .	0604264N	Air Crew Systems Development	ហ	7,354	16,183	8,838	О	
97	0604269N	EA-18	. ທີ່			357,502	Ð	

UNCLASSIFIED

### DEPARTMENT OF THE NAVY FY 2005 RDIEE PROGRAM

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

EXHIBIT R-1 Date: FEB 2004

Number						
	Item	Act	FY 2003	FY 2004	FY 2005	i Oi
0604270N	Electronic Warfare Development	S	88,509	275,422	48,956	D
0604273N	VHXX Executive Helo Development	LS		195,233	777,398	D
0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	ស	19,231	88,601	78,624	D
0604300N	SC-21 Total Ship System Engineering	Ŋ	668,472	1,052,273	1,431,585	D
0604307N	Surface Combatant Combat System Engineering	ις	331,213	213,470	146,463	D
0604311N	LPD-17 Class Systems Integration	ιΩ	9,621	8,888	8,988	D
0604312N	Tri-Service Standoff Attack Missile	ın	16,146	20,901	27,047	D.
.0604329N	Small Diameter Bomb (SDB)	S	100		9,961	n
0604366N	Standard Missile Improvements	Ŋ	24,244	81,014	99,022	D
0604373N	Airborne MCM	ĺυ	73,600	90,981	50,514	D
0604503N	SSN-688 and Trident Modernization	ស	120,050	76,997	75,359	D
0604504N	Air Control	Ŋ	5, 904	10,355	13,102	Ò
0604507N	Enhanced.Modular Signal Processor	S	501	994	1,075	D
0604512N	Shipboard Aviation Systems	κċ	24,311	23,586	28, 631	n
0604518N	Combat Information Center Conversion	Ŋ		13,093	8,228	Ω
0604558N	New Design SSN	ιΩ	234,592	144,576	143,270	D
0604561N	SSN-21 Developments	ιΩ	15,957	23,827	3,020	D
0604562N	Submarine Tactical Warfare System	ស	24,445	32,354	43,404	D
0604567N	Ship Contract Design/ Live Fire	ις	196,697	134,061	130,908	a .
0604574N	Navy Tactical Computer Resources	ıs	15,377	12,521	2,381	D
0604601N	Mine Development	ъ	1,455	1,480	6, 123	D

EXHIBIT R-1

DEPARTMENT OF THE NAVY FY 2005 RDILE PROGRAM

		Program			Thou	Thousands of Dollars		co t
Unguided Conventional         5         13,415         12,065           Ait-Launched Weapons         18,745         6,173         9,965           Joint Direct Attack Munition         5         46,904         8,046         8,081           Development         7,295         8,046         8,081           Development         5         7,295         8,046         8,081           Development         6,641         1,919         3,005           May Energy Program         5         6,641         16,743         17,981           Extension System         5         6,641         16,743         17,981           Extension System         5         6,41         16,743         17,981           Ship Self Defense (Detect & Ship Self Defense (Engage: Bard Self Defense (Engage: Soft Self Self Defense (Engage: Soft Self Self Self Defense (Engage: Soft Self Self Self Self Self Defense (Engage: Soft Self Self Self Self Self Self Self Self		mber	Item	Act	FY 2003	FY 2004	FY 2005	a of
Lightweight Toxpedo Development         5         18,745         6,173         9,965           Joint Direct Attack Munition         5         7,295         8,046         8,081           Development         7,295         8,046         8,081           Personnel, Taraining, Simulation, and Human Factors         5         1,383         1,919         3,005           Navy Energy Program         5         6,641         7,743         17,981           Battle Group Passive Horizon         5         16,889         4,969         9,531           Ship Self Defense (Detect & Stemator)         5         6,138         42,237         48,154           Ship Self Defense (Engage: Soft & 5         5         26,120         24,300         51,213           Kill, DWN         Medical Development         5         65,421         66,788         6,942           Ship Self Defense (Engage: Soft & 5         5         1,661,509         2,159,197         2,264,203           Ship Self Defense (Engage: Soft & 5         65,421         66,788         6,942           Medical Development         5         1,661,509         2,159,197         2,264,507           Smart Card         5         1,661,509         2,159,197         2,264,507           Sma	Õ	504603N	Unguided Conventional Air-Launched Weapons	ĸ	13,415	12,065		Þ
Joint Direct Attack Munition         5         46,904           Joint Service Explosive Ordnance         5         7,295         8,046         8,081           Development         Personnel, Training, Simulation, and Human Factors         1,383         1,919         3,005           Navy Energy Program         5         6,641         1,919         3,005           Navy Energy Program         5         6,641         17,981           Extension System         5         6,641         17,981           Ship Self Defense (Petect & 5         60,138         4,969         9,531           Ship Self Defense (Engage: Hard 5         5         60,138         42,237         48,154           Ship Self Defense (Engage: Soft 5         5         65,120         24,300         51,213           Ship Self Defense (Engage: Soft 5         5         65,421         66,788         6,942           Medical Development 5         5         65,421         66,788         6,942           Navigation/ID System 5         5         1,661,509         2,159,197         2,264,507           Smart Card 6         5         65,421         66,786         6,942           Joint Strike Fighter (JSF) 7         5         1,661,509         2,159,197         2,264	Õ	504610N	Lightweight Torpedo Development	ഹ	18,745	6,173	9,965	D
Development Detroin System Dinit Standoff Weapon Systems Doint Standoff Weapon Systems Ship Self Defense (Engage: Soft & 5 66,120 24,300 51,213 Ship Self Defense (Engage: Soft & 5 66,120 24,300 51,213 Ship Self Defense (Engage: Soft & 5 66,421 66,788 6,942 Navigation/ID System Distributed Surveillance System & 5 1,661,509 2,159,197 2,264,507 Smart Card Distributed Surveillance System & 16,61,509 2,159,197 2,264,507 Smart Card Distributed Military Development & 6,9827 65,622 1109,543 Defense Integrated Military Runa Secont System (DAMNES) - RDYER Resources System (DAMNES) - RDYER Resources System (DAMNES) - RDYER	õ	504618N	Joint Direct Attack Munition	ιn	46,904			Þ
Development         5         1,383         1,919         3,005           and Human Factors         6,641         3,005           Navy Energy Program         5         6,641         1,919         3,005           Mattle Group Passive Horizon         5         6,641         15,743         17,981           Extension System         5         16,685         4,969         9,531           Ship Self Defense (Detect & 5         60,138         42,237         48,154           Control)         Ship Self Defense (Engage: Hard 5         5         26,120         24,300         51,213           Kill)         Ship Self Defense (Engage: Soft 5         66,788         53,506         28,233           Kill, Em)         Medical Development 5         5         65,421         66,788         6,942           Navigation/ID System         5         65,421         66,788         7,776         7,776           Joint Strike Fighter (JSF)         5         1,661,509         2,159,197         2,264,507           Smart Card         5         1,661,509         2,159,197         2,264,507           Smart Card         5         1,661,509         2,159,197         2,264,507           Information Technology Development         5<	õ	504654N	Joint Service Explosive Ordnance	ß	7,295	8,046	8,081	D
Personnel, Training, Simulation, and Human Factors         5         1,383         1,919         3,005           Navy Energy Program         5         6,641         16,743         17,981           Battle Group Passive Horizon         5         16,685         4,969         9,531           Ship Self Defense (Detect & Control)         5         60,138         42,237         48,154           Ship Self Defense (Engage: Hard         5         26,120         24,300         51,213           Ship Self Defense (Engage: Soft         5         65,421         66,788         6,942           Ship Self Defense (Engage: Soft         5         65,421         66,788         6,942           Navigation/ID System         5         65,421         66,788         6,942           Navigation/ID System         5         1,661,509         2,159,197         2,264,507           Smart Card         5         62,237         9,301           Information Technology Development         5         1,661,509         2,159,197         2,264,507           Smart Card         5         69,827         65,622         109,543           Defense Integrated Military Human         5         51,789         75,441		.0	Development					
Navy Energy Program         5         6,641         16,743         17,981           Battle Group Passive Horizon         5         16,849         16,743         17,981           Sxtension Systems         5         16,685         4,969         9,531           Ship Self Defense (Detect & 5         5         60,138         42,237         48,154           Ship Self Defense (Engage: Hard 5         5         26,120         24,300         51,213           Kill/EW)         Ship Self Defense (Engage: Soft 5         5         42,818         53,506         28,233           Kill/EW)         Medical Development 5         5         45,080         45,168         28,104           Distributed Surveillance System 5         5         1,661,509         2,159,197         2,264,507           Smart Card 5         5         1,661,509         2,159,197         2,264,507           Smart Card 5         5         16,61,509         2,159,197         2,264,507           Information Technology Development 5         18,060         10,063         9,301           Information Technology Development 5         51,788         75,441           Resources System (DIMHRS) - RDTERE         51,788         75,441	0	504703N	, gu	ហ	1,383	1,919	3,005	D
Battle Group Passive Horizon         5         16,849         16,743         17,981           Extension System         5         16,685         4,969         9,531           Ship Self Defense (Detect & Ship Self Defense (Engage: Hard Still)         5         60,138         42,237         48,154           Ship Self Defense (Engage: Soft & Ship Self Defense (Engage: S	ō	504710N	Navy Energy Program	ιΩ	6,641			n
Joint Standoff Weapon Systems         5         16,685         4,969         9,531           Ship Self Defense (Detect & Control)         5         60,138         42,237         48,154           Ship Self Defense (Engage: Hard Kill)         5         26,120         24,300         51,213           Ship Self Defense (Engage: Soft Ship Ship Ship Ship Ship Ship Ship Ship	0 .	504721N	Battle Group Passive Horizon Extension System	Ŋ	16,849	16,743	17,981	D
Ship Self Defense (Detect & 5 control)         60,138         42,237         48,154           Control)         Ship Self Defense (Engage: Hard Kill)         5 26,120         24,300         51,213           Ship Self Defense (Engage: Soft Ship Self Ship Ship Ship Ship Ship Ship Ship Ship	ō	504727N	Joint Standoff Weapon Systems	M	16,685	4,969	9,531	Ď
Ship Self Defense (Engage: Hard Kill)         5         26,120         24,300         51,213           Ship Self Defense (Engage: Soft Kill)         5         42,818         53,506         28,233           Kill/EW)         Medical Development         5         65,421         66,788         6,942           Navigation/ID System         5         45,080         45,168         28,104           Distributed Surveillance System         5         37,591         32,907         7,776           Joint Strike Fighter (JSF)         5         1,661,509         2,159,197         2,264,507           Smart Card         5         623         546         65           Information Technology Development         5         69,827         65,622         109,543           Defense Integrated Military Human Resources System (DIMHRS) - RDT&E         51,788         75,441         75,441	ō	504755N	p Self Defense (Detecttrol)	ī.	60,138	42,237	48,154	D
Ship Self Defense (Engage: Soft Kill/EW)       5       42,818       53,506       28,233         Kill/EW)       Medical Development       5       65,421       66,788       6,942         Navigation/ID System       5       45,080       45,168       28,104         Distributed Surveillance System       5       1,661,509       2,159,197       7,776         Joint Strike Fighter (JSF)       5       623       546       695         Smart Card       5       623       546       695         Information Technology Development       5       69,827       65,622       109,543         Defense Integrated Military Human Resources System (DIMHRS) - RDT&E       51,788       75,441	0	504756N	p Self Defense 1)	. rv	26,120	24,300	51,213	Þ
Medical Development         5         65,421         66,788         6,942           Navigation/ID System         5         45,080         45,168         28,104           Distributed Surveillance System         5         37,591         32,907         7,776           Joint Strike Fighter (JSF)         5         1,661,509         2,159,197         2,264,507           Smart Card         5         623         546         695           Information Technology Development         5         69,827         65,622         109,543           Defense Integrated Military Human Resources System (DIMHRS) - RDT&B         51,788         75,441         75,441	0	504757N	Ship Self Defense (Engage: Soft Kill/EW)		42,818	53,506	28,233	Þ.
Navigation/ID System         5         45,080         45,168         28,104           Distributed Surveillance System         5         37,591         32,907         7,776           Joint Strike Fighter (JSF)         5         1,661,509         2,159,197         2,264,507           Smart Card         5         623         546         695           Information Technology Development         5         18,060         10,063         9,301           Information Technology Development         5         69,827         65,622         109,543           Resources System (DIMHRS) - RDT&E         51,788         75,441	ō	504771N	Medical Development	Ŋ	65,421	66,788	6,942	Þ
Distributed Surveillance System         5         37,591         32,907         7,776           Joint Strike Fighter (JSF)         5         1,661,509         2,159,197         2,264,507           Smart Card         5         623         546         695           Information Technology Development         5         18,060         10,063         9,301           Information Technology Development         5         69,827         65,622         109,543           Defense Integrated Military Human Resources System (DIMHRS) - RDT&E         51,788         75,441	ō	S04777N	Navigation/ID System	ហ	45,080	45,168	28,104	Ω
Joint Strike Fighter (JSF)       5       1,661,509       2,159,197       2,264,507         Smart Card       5       623       546       695         Information Technology Development       5       18,060       10,063       9,301         Information Technology Development       5       69,827       65,622       109,543         Defense Integrated Military Human Resources System (DIMHRS) - RDT&E       51,788       75,441	0	504784N	Distributed Surveillance System	S	37,591	32,907	7,776	D
Smart Card         5         623         546         695           Information Technology Development         5         18,060         10,063         9,301           Information Technology Development         5         69,827         65,622         109,543           Defense Integrated Military Human Resources System (DIMHRS) - RDT&B         51,788         75,441	O	504800N	Joint Strike Fighter (JSF)		1,661,509	2,159,197	2,264,507	Ω
Information Technology Development 5 18,060 10,063 9,301 Information Technology Development 5 69,827 65,622 109,543 Defense Integrated Military Human 5 51,788 75,441 Resources System (DIMHRS) - RDT&E	0	504910N	Smart Card	വ	623	546	695	Ω
Information Technology Development 5 69,827 65,622 109,543  Defense Integrated Military Human 5 51,788 75,441  Resources System (DIMHRS) - RDT&E	Õ	505013M	Information Technology Development		18,060	10,063	9,301	D
Defense Integrated Military Human 5 51,788 75,441 Resources System (DIMHRS) - RDIÆE	0	505013N	Information Technology Development		69, 827	65, 622	109,543	Ω
	0	505014N	Defense Integrated Military Human Resources System (DIMHRS) - RDT&E	Ŋ	51,788	75,441		D

#### DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM

PRO	PPROPRIATION: 1319N Re	search, Development, Tes	t & Eval, Navy			Date: FEB 20	2004
				Ì			•
ine	Frogram		*	Thous	Thousands of Dollars		n M
N	Number	Item	Act	FY 2003	FY 2004	FY 2005	Ol
138	0605500N	Multi-mission Maritime Aircraft (MMA)	Ŋ	65, 615	71,413	496,029	D
139	0508713N	Navy Standard Integrated Personnel System (NSIPS)	ĸ	8,553	4,600		D.
	System	System Development & Demonstration		5,184,832	6,359,897	8,008,517	
140	0604256N	Threat Simulator Development.	9	25,725	27,692	23,866	D
141	0604258N	Target Systems Development	Q	45,856	37,219	35, 677	Ω
142	0604759N	Major T&E Investment	· o	39,851	44,178	39,787	D
143	0605152N	Studies and Analysis Support - Navy	9	6,042	7,570	2,183	D
144	0605154N	Center for Naval Analyses	9	43,720	37,918	43,982	Ω
145	0605155N	Fleet Tactical Development	v	2,639	1,984	2,338	Ω
146	0605502N	Small Business Innovative Research	9	226,342			D
147	0605804N	Technical Information Services	9	18,116	27,270	969	Ω
148	0605853N	Management, Technical & International Support	ø	50,482	30,901	31,407	D
149	0605856N	Strategic Technical Support	9	2,247	3,837	3,493	D
150	0605861N	RDT&E Science and Technology Management	9	59,940	64,162	66,117	D
151	0605862N	RDT&E Instrumentation Modernization	ø	12,910	13,402	. 19,370	D
152	0605863N	RDT&E Ship and Aircraft Support	v	74,262	77,772	81,308	D
153	0605864N	Test and Evaluation Support	9	270,550	256,582	255,926	D
154	0605865N	Operational Test and Evaluation Capability	φ.	11,355	11,959	13,044	D .
155	0605866N	Navy Space and Electronic Warfare (SEW) Support	9	3,082	3,140	2,941	D

### DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM

	. •	DEPARTME FY 2005	DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM	OGRAM		EXHIBIT R-1	
PPRO	PRIATION: 13	PPROPRIATION: 1319N Research, Development, Test & Eval, Navy	I, Navy			Date: FEB 2004	
6	Program			Thous	Thousands of Dollars	so E	
2	Number	Itam	Act	FY 2003	FY 2004	FY 2005 C	
156	0605867N	SEW Surveillance/Reconnaissance Support	•	11,836	11,956	12,160 ·U	
157	0605873M	Marine Corps Program Wide Support	9	26,441	29,297	19,701 U	
. 851	N6666060	Financing for Cancelled Account Adjustments	v	7,978		Ð	
	RDIEE 1	RDT&E Management Support		939,374	686,839	653,996	
159	0603660N	Advanced Development Projects	. 7				
160	0603661N	Retract Violet	7			. (	
161	0101221N	Strategic Sub & Weapons System Support	7	38,099	65,454	108,782 U	
162	0101224N	SSBN Security Technology Program	7	32,718	37,981	43,408 U	•
163	0101226N	Submarine Acoustic Warfare Development	7	1,057	5,889	8,453 U	
164	0101402N	Navy Strategic Communications	7	14,637	23,035	31,391 U	
165	0203761N	Rapid Technology Transition (RTT)	7		688'6	. 14,630 U	
166	0204136N	F/A-18 Squadrons	7	204,131	172,743	134,580 U	
167	0204152N	E-2 Squadrons	7	18,878	19,331	6,055 U	
168	0204163N	Fleet Telecommunications (Tactical)	7	12,048	23,123	19,784 U	
169	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)		97,284	76,524	28,776 U	
170	0204311N	Integrated Surveillance System		25,186	14,117	16,965 U	
171	0204413N	Amphibious Tactical Support Units (Displacement Craft)	7	6,106	5,589	2,604 U	
172	0204571N	Consolidated Training Systems Development	7	25,974	22,460	21,644 U	
173	0204574N	Cryptologic Direct Support	7		1,448	1,460 U	

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#### DEPARTMENT OF THE NAVY FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 1319N Research, Development, Test & Eval, Navy

	Program			Thousa	Thousands of Dollars		on I	
	Number	Item	Act	FY 2003	FY 2004	FY 2005	a Ol	
174	0204575N	Electronic Warfare (EW) Readiness Support	7	25, 906	11,794	12,139	D	
175	0205601N	HARM Improvement	7	58,793	51,601	163,371	D	
176	0205604N	Tactical Data Links	7	40,024	43,971	18,977	Ð	
177	0205620N	Surface ASW Combat System Integration	7	36,065	23,118	10,612	Ð	
178	0205632N	MK-48 ADCAP	7	21,323	17,036	21,620	D	
179	0205633N	Aviation Improvements	Ŀ	38,878	68,552	62, 635	Đ	
180	0205658N	Navy Science Assistance Program	7	15,459	7,098	3,821	ū	
181	0205675N	Operational Nuclear Power Systems	7	55,430	62,052	64,554	D	
182	0206313M	Marine Corps Communications Systems	7	197,524	247,179	268, 638	Þ	
183	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	7	37,552	41,960	44,828	D	
184	0206624M	Marine Corps Combat Services Support		16,682	20,493	10,731	D	
185	0207161N	Tactical AIM Missiles	7	2,812	2,236	4,061	ū	
186	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	7,650	8,973	9,085	Ð	
187	0301303N	Maritime Intelligence	7					
188	0301323N	Collection Management	7				•	
189	0301327N	Technical Reconnaissance and Surveillance	7.		·			
190	0303109N	Satellite Communications (SPACE)	7	110,463	267,665	573,092	n	
191	0303140N	Information Systems Security Program	7	25,733	25,366	18,676	D	
192	0304111N	Special Activities	7		.1			
193	0305149N	COBRA JUDY	7	50,510	68,583	80,694	п	

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DEPARTMENT OF THE NAVY
FY 2005 RDIGE PROGRAM

EXHIBIT R-1

Number Item  0305160N Navy Meteorological and Ocean 7 Sensors-Space (METOC)  0305188N Joint C4ISR Battle Center (JBC) 7  0305192N Joint Military Intelligence 7 Programs  0305204N Tactical Unmanned Aerial Vehicles 7  (JMIP)  0305207N Manned Reconnaissance Systems 7  (JMIP)  0305207N Manned Reconnaissance Systems 7  (JMIP)  0305207N Naval Space Surveillance 7  Systems  0305207N Aerial Common Sensor (ACS) (JMIP) 7  030601N Modeling and Simulation Support 7	ET 2003 21,833 29,371	FY 2004		co t
Navy Meteorological and Ocean Sensors-Space (METOC) Joint C41SR Battle Center (JBC) Joint Military Intelligence Programs Tactical Unmanned Aerial Vehicles (JMIP) Endurance Unmanned Aerial Vehicles Airborne Reconnaissance Systems Manned Reconnaissance Systems (JMIP) Distributed Common Ground/Surface Systems Naval Space Surveillance Aerial Common Sensor (ACS) (JMIP) Modeling and Simulation Support	21,833		FY 2005	O
0305188N 0305192N 0305204N 0305205N 0305207N 0305207N 0305207N	29,371	7,878	4,215	D
0305192N 0305204N 0305206N 0305206N 0305207N 0305227N 0305927N		44,865	43, 569	D
0305204N 0305206N 0305207N 0305207N 0305927N 0305927N	6,971	5,246	4,746	D
	253,844	85,713	53, 439	Þ
		100,212	113,438	D
	16,171	26,989	10,191	Ω
	22,505	16,521	20,203	D
	8,518	8,818	3, 635	D
	5,017			D
			24,909	D
	9,455	13,475	7,262	D
0702207N Depot Maintenance (Non-IF) 7	12,839	8,972		Ω
0708011N Industrial Preparedness	71,704	64,270	56, 565	D
0708730N Maritime Technology (MARITECH) 7	11,613	14,504	10,265	Ω
Operational Systems Development	2,917,062	2,898,174	3,161,988	

### DEPARTMENT OF THE AIR FORCE

### FY 2005 RDIGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	211,559	331,171	345,500
Applied Research	824,951	896, 694	786,180
Advanced Technology Development	700,364	1,093,020	786,994
Advanced Component Development & Prototypes	1,429,066	2,032,666	2,384,536
System Development & Demonstration	4,381,477	4,543,591	4,708,025
RDI&E Management Support	921,213	638, 682	747,114
Operational Systems Development	10,465,945	10,757,771	11,356,318
Total Research, Development, Test & Eval, AF	18,934,575	. 20,293,595	21,114,667
Summary Recap of FYDP Programs			
Strategic Forces	107,691	111,041	101,161
General Purpose Forces	2,381,718	2,727,002	3,518,983
Intelligence and Communications	7,250,372	7,165,450	7,853,765
Mobility Forces	642,828	770,491	835,980
Research and Development	8,376,099	9,310,187	8,583,180
Central Supply and Maintenance	117,505	141,549	91,277
Training Medical and Other	299	3,230	3,372
Administration and Associated Activities	54,423	60,811	123,004
Support of Other Nations	3,640	3,834	3,945

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21,114,667

20,293,595

18,934,575

Total Research, Development, Test & Eval, AF

# DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

6	Program			Thousan	Thousands of Dollars		co p	٠
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı Ol	
H	0601102F	Defense Research Sciences .	н	211,559	212,897	217,304	, <b>p</b>	
2	0601103F	University Research Initiatives	н		106,313	115,865	Ω	
m ·	. 0601108F	High Energy Laser Research Initiatives	н		11,961	12,331	Þ	
	Basic Research	search		211,559	331,171	345,500		
4	0602102F	Materials	7	105,237	109,222	73,660	D	
S	0602201F	Aerospace Vehicle Technologies	71	75,067	64,311	74,679	D	
9	0602202F	Human Effectiveness Applied Research	7	75,229	87,143	71,483	D	
7	0602203F	Aerospace Propulsion	67	135,403	126,988	92,650	D	
œ	0602204F	Aerospace Sensors	7	77,172	86,405	78,804	D	
<b>o</b>	0602500F	Multi-disciplinary Space Technology	7	95,779	101,360	84,581	D	
10	0602601F	Space Technology	7	74,889	101,539	88,909	D	
11	0602602F.	Conventional Munitions	8	62,802	46,061	52,251	D	
12	0602605F	Directed Energy Technology	7	35,661	42,077	36,532	D	
13	0602702F	Command Control and Communications	2	77,637	79,594	82,147	D	
14	0602805F	Dual Use Science and Technology Program	7	10,075	10,496	5,151	Þ	
15	0602890F	High Energy Laser Research	7		41,498	45,333	D	
	Applied Resear	Research		824,951.	896,694	786,180		
16	0603112F	Advanced Materials for Weapon Systems	m	39,746	61,948	34,284	Ð	
17	0603203F	Advanced Aerospace Sensors	т	50,988	41,124	30,634	D	
18	0603205F	Flight Vehicle Technology	т	3,463	992		, D	
19	0603211F	Aerospace Technology Dev/Demo	m	27,767	47,610	29,145	D	

# DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

ine	Program			Thou	Thousands of Dollars	Ì	OJ E	
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	1 01	
20	0603216F	Aerospace Propulsion and Power Technology	m	-84,067	93,425	79,914	Ð	
21	0603231F	Crew Systems and Personnel Protection Technology	m	37,959	42,822	32,794	D	
22	0603270F	Electronic Combat Technology	ю	24,000	34,597	28,282	D	
23	0603311F	Ballistic Missile Technology	د	12,795	11,402		D	
24	0603333E	Unmanned Air Vehicle Dev/Demo	၈	16,719			D	
25	0603401F	Advanced Spacecraft Technology	က	52,424	96,912	60,124	D	
26	0603444E	Maui Space Surveillance System (MSSS)	m	47,130	. 51,581	6,306	Þ	
27.	0603500F	Multi-disciplinary Advanced Development Space Technology	ო	51,688	62,077	51,114	D	
28	0603601F	Conventional Weapons Technology	ю	45,070	37,198	22,398	D	
29	0603605F	Advanced Weapons Technology	ю	71,649	61,221	31,103	Þ	
30	0603723F	Environmental Engineering Technology	m	1,152	1,190		D	
31	0603789F	C3I Advanced Development	က	43,160	44,917	28,524	D	
32.	0603801F	Special Programs	e	90,587	363,861	320,503	. Б	
33	0603850F	Integrated Broadcast Service	m		8,464	2,294	D	
34	0603924F	High Energy Laser Advanced Technology Program	ო		10,818	8,547	D	
35	0207423F	Advanced Communications Systems	ო		11,951	12,051	Ω	
36	0401840F	AMC Command and Control System	m		5,995	6,038	D	
37	0804757F	Joint National Training Center	ო		2,915	2,939	Þ	
	Advancec	Advanced Technology Development		700,364	1,093,020	786,994		
38	0603260F	Intelligence Advanced Development	4	7,144	4,453	4,612	D	
39	0603287F	Physical Security Equipment	4		24,275	22,640	Þ	

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# DEPARTMENT OF THE ALR FORCE FY 2005 RDTEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

NAVETARR Global Positioning System   4 46,633   FF 2004   FF 2005	hard food	Program Element			Thousa	Thousands of Dollars		<b>ហ</b> មា	
MANYSTRR Global Positioning System   4 6,633   40,568     Advanced EMP MILSATCOM (SPACE)   4 802,648   802,341   612,049     Polar MILSATCOM (SPACE)   4 22,396   5,533   960     Polar MILSATCOM (SPACE)   4 222,082   264,681     Operational Dara-orbiting   4 222,082   264,681     Space Control Technology   4 11,787   14,547   15,046     Combat Identification Technology   4 11,780   16,434   19,582     NATO Research and Development   4 4,070   3,855   3,930     International Space Cooperative   4 614   614   540     International Space Cooperative   4 614   60,117   72,503     Mideband Gapfiller System RDTGE   4 38,390   16,229   23,927     International Program   4 5,6741   60,117   72,603     Alt Force/National Program   4 3,527   4,777   2,692     Joint Precision Approach and Taxget   4 10,470   13,621   18,385     Internation Bomber   4 10,470   13,621   18,385     Internation Approach and Member   4 10,470   13,621   18,385     Internation Approach Air Vehicle (UCAV)   4 15,999     Operationally Responsive Launch   4 25,944   25,844   35,362     Operationally Responsive Launch   4 25,844   25,844   35,362     Operationally Responsive Launch   4 25,844   25,844   35,362     Operationally Responsive Launch   4 25,844   35,362     Operational Launch	Number	30r	Item	Act	FY 2003	FY 2004	FY 2005	OI	
National Polar-orbiting	090	3421F	STAR	•	46,633		40,568	а	
Polar MILSATCOM (SPACE)	090	3430F	Advanced EHF MILSATCOM (SPACE)	4	802,648	802,341	612,049	Þ	
National Polar-orbiting         4         232,082         264,681           Satellite Sys (SPACE)         Satellite Sys (SPACE)         15,434         15,046           Space Control Technology         4         11,580         16,434         19,582           NATO Research and Development         4         4,070         3,855         3,930           International Space Cooperative         4         614         540         552           R&D         Transformational Space Cooperative         4         614         540         552           International Space Cooperative         4         111,485         335,430         774,336         174,836           Intercontinental Space Cooperation         4         56,741         60,117         72,503         174,836           Intercontinental Ballistic Missile         4         56,741         60,117         72,503         174,836           Nideband Gapfiller System RDTsE         4         13,801         36,271         73,499         175,625         175,629           Space-Based Radar         4         45,402         172,625         327,732         18,395           Pollution Prevention         4         3,527         4,777         2,692           Industrion Bomber <t< td=""><td>090</td><td>3432F</td><td>Polar MILSATCOM (SPACE)</td><td>4,</td><td>22,398</td><td>5,533</td><td>096</td><td>D</td><td></td></t<>	090	3432F	Polar MILSATCOM (SPACE)	4,	22,398	5,533	096	D	
Space Control Technology         4         12,787         14,547         15,046           Combat Identification Technology         4         11,580         16,434         19,582           NATO Research and Development         4         4,070         3,855         3,930           International Space Cooperative         4         111,485         335,430         774,836           Integrated Broadcast Service         4         38,390         16,229         23,927           Integrated Broadcast Service         4         36,71         72,503           Wideband Capfiller System RDT&E         4         56,741         60,117         72,503           Air Force/National Program         4         2,341         73,499           Cooperation (AFNPC)         4         45,402         17,625         327,732           Pollution Prevention         4         45,402         17,77         2,692           Joint Precision Approach and Systems         4         44,618         6,383           Next Generation Bomber         4         5,402         13,621         18,385           Landing Systems         4         6,953         9,551         6,383           Unmanned Combat Air Vehicle (UCAV)         4         159,899         6,	090	3434F	National Polar-orbiting Operational Environmental Satellite Sys (SPACE)	4	232,082	264,681		Ð	
Combat Identification Technology         4         11,580         16,434         19,582           NATO Research and Development         4         4,070         3,855         3,930           International Space Cooperative         4         111,485         335,430         774,836           Transformational Sarcow (TSAT)         4         111,485         335,430         774,836           Integrated Broadcast Service         4         38,390         16,229         23,927           Intercontinental Ballistic Missile         4         56,741         60,117         72,503           Wideband Gapfiller System RDT&E         4         13,801         36,271         73,499           Goperation (AFNPC)         Air Force/National Program         4         2,341         73,499           Space-Based Radar         4         45,402         172,625         327,732           Pollution Prevention         4         3,527         4,777         2,692           Joint Precision Approach and Gopture Air Program         4         44,618         6,983         9,551           Mext Generation Bomber         4         6,953         9,551         6,383           Ummanned Combat Air Vehicle (UCAV)         4         159,899         6,383	090	3438F	Space Control Technology	4	12,787	14,547	15,046	D	
NATO Research and Development         4         4,070         3,855         3,930           International Space Cooperative         4         614         540         552           Transformational SATCOM (TSAT)         4         111,485         335,430         774,836           Integrated Broadcast Service         4         38,390         16,229         23,927           Intercontinental Ballistic Missile         4         56,741         60,117         72,503           Wideband Gapfiller System RDT&B         4         13,801         36,271         73,499           Air Force/National Program         4         2,341         73,499           Cooperation (ARNPC)         5         74,402         177,625         327,732           Pollution Prevention         4         3,527         4,777         2,692           Joint Precision Approach and Mark Mark Generation Bomber         4         10,470         13,621         18,385           Next Generation Bomber         4         6,953         9,551         6,383           Defeat System (HDBTDS) Program         4         10,470         159,899         6,383           Ummanned Combat Air Vehicle (UCAV)         4         6,953         9,551         6,383           Operationa	090	3742F	Combat Identification Technology	4	11,580	16,434	19,582	D	
International Space Cooperative 4 614 540 552  Rab Transformational SATCOM (TSAT) 4 111,485 335,430 774,836  Integrated Broadcast Service 4 38,390 16,229 23,927  Integrated Broadcast Service 4 38,390 16,229 23,927  Integrated Broadcast Service 4 56,741 60,117 72,503  Wideband Gapfiller System RDT&E 4 13,801 36,271 73,499  Air Force/National Program 4 2,341 73,499  Air Force-National Program 4 2,341 73,499  Space-Based Radar 4 45,402 172,625 327,732  Joint Precision Approach and 4 10,470 13,621 18,385  Landing Systems  Next Generation Bomber 4 6,953 9,551 6,383  Unmanned Combat Air Vehicle (UCAV) 4 55,844 35,362	090	3790F	NATO Research and Development	4	4,070	3,855	3,930	D	
Transformational SATCOM (TSAT)         4         111,485         335,430         774,836           Integrated Broadcast Service         4         38,390         16,229         23,927           Intercontinental Ballistic Missile         4         56,741         60,117         72,503           Wideband Gapfiller System RDTsE         4         13,801         36,271         73,499           Air Force/National Program         4         2,341         73,499           Cooperation (ARNPC)         4         45,402         172,625         327,732           Space-Based Radar         4         3,527         4,777         2,692           Joint Precision Approach and Systems         4         10,470         13,621         18,385           Landing Systems         4         10,470         13,621         18,385           Mext Generation Bomber         4         6,953         9,551         6,383           Unmanned Combat Air Vehicle (UCAV)         4         159,899         6,383           Operationally Responsive Launch         4         25,844         35,362	090	0603791F	International Space Cooperative R&D	4	614	540	. 552	D	
Integrated Broadcast Service 4 38,390 16,229 23,927  Intercontinental Ballistic Missile 4 56,741 60,117 72,503  Wideband Gapfiller System RDT&E 4 13,801 36,271 73,499 (Space)  Air Force/National Program 4 2,341 Cooperation (AFNPC) Space-Based Radar 4 45,402 172,625 327,732 Space-Based Radar 4 45,402 172,625 327,732 Joint Precision Approach and 4 10,470 13,621 18,385 Landing Systems Next Generation Bomber 4 6,953 9,551 6,383 Unmanned Combat Air Vehicle (UCAV) 4 25,844 35,362	090	0603845F	Transformational SATCOM (TSAT)	4	111,485	335, 430	774,836	п	
Intercontinental Balistic Missile 4 56,741 60,117 72,503 Wideband Gapfiller System RDT&E 4 13,801 36,271 73,499 (Space)  Air Force/National Program 4 2,341 73,499 Coperation (AFNPC) Space-Based Radar 4 45,402 172,625 327,732 4,777 2,692 Joint Precision Approach and 4 10,470 13,621 18,385 Landing Systems  Mext Generation Bomber 4 6,953 9,551 6,383 Defeat System (HDBTDS) Program  Unmanned Combat Air Vehicle (UCAV) 4 159,899 Operationally Responsive Launch 4 25,844 35,362	090	0603850F	Integrated Broadcast Service	4	38,390	16,229	23,927	Д	
Wideband Gapfiller System RDT&E         4         13,801         36,271         73,499           (Space)         Air Force/National Program         4         2,341         73,499           Air Force/National Program         4         45,402         172,625         327,732           Space-Based Radar         4         3,527         4,777         2,692           Pollution Prevention         4         10,470         13,621         18,385           Landing Systems         Next Generation Bomber         4         44,618         6,383           Next Generation Bomber         4         6,953         9,551         6,383           Defeat System (HDBTDS) Program         Unmanned Combat Air Vehicle (UCAV)         4         5,594         35,362           Operationally Responsive Launch         4         25,844         35,362	090	0603851F	Intercontinental Ballistic Missile	4	56,741	60,117	72,503	D	
Air Force/National Program         4         2,341           Cooperation (AFNPC)         4         172,625         327,732           Space-Based Radar         4         3,527         4,777         2,692           Pollution Prevention         4         3,527         4,777         2,692           Joint Precision Approach and Landing Systems         4         10,470         13,621         18,385           Next Generation Bomber         4         6,953         9,551         6,383           Defeat System (HDBTDS) Program         4         6,953         9,551         6,383           Unmanned Combat Air Vehicle (UCAV)         4         25,844         35,362	090	0603854F	Wideband Gapfiller System RDT&E (Space)	4	13,801	36,271	73,499	Þ	
Space-Based Radar         4         45,402         172,625         327,732           Pollution Prevention         4         3,527         4,777         2,692           Joint Precision Approach and Joint Precision Approach and Joint Precision Approach and Joint Precision Approach and Joint Precision Approach         4         10,470         13,621         18,385           Next Generation Bomber         4         44,618         6,383           Hard and Deeply Buried Target         4         6,953         9,551         6,383           Defeat System (HDBTDS) Program         Unmanned Combat Air Vehicle (UCAV)         4         159,899         35,362           Operationally Responsive Launch         4         25,844         35,362	090	0603856F	Air Force/National Program Cooperation (AFNPC)	4 .	2,341	·		Ω	
Pollution Prevention         4         3,527         4,777         2,692           Joint Precision Approach and Landing Systems         4         10,470         13,621         18,385           Next Generation Bomber         4         44,618         6,953         9,551         6,383           Hard and Deeply Buried Target         4         6,953         9,551         6,383           Defeat System (HDBTDS) Program         Unmanned Combat Air Vehicle (UCAV)         4         159,899           Operationally Responsive Launch         4         25,844         35,362	090	3858F	Space-Based Radar	4	45,402	172,625	327,732	n	
Joint Precision Approach and Landing Systems       4       10,470       13,621       18,385         Landing Systems       Next Generation Bomber       4       44,618       6,953       9,551       6,383         Hard and Deeply Buried Target       4       6,953       9,551       6,383         Defeat System (HDBTDS) Program       Unmanned Combat Air Vehicle (UCAV)       4       159,899         Operationally Responsive Launch       4       25,844       35,362	090	3859F	Pollution Prevention	4	3,527	4,777	2,692	D	
Next Generation Bomber 4 44,618  Hard and Deeply Buried Target 4 6,953 9,551 6,383  Defeat System (HDBTDS) Program Unmanned Combat Air Vehicle (UCAV) 4 159,899  Operationally Responsive Launch 4 25,844 35,362	090	0603860F	Joint Precision Approach and Landing Systems	4	10,470	13,621	18,385	D	
Hard and Deeply Buried Target 4 6,953 9,551 6,383 Defeat System (HDBTDS) Program Unmanned Combat Air Vehicle (UCAV) 4 159,899 Operationally Responsive Launch 4 25,844 35,362	090	0604015F		4		44,618		ū	
Unmanned Combat Air Vehicle (UCAV) 4 159,899 Operationally Responsive Launch 4 25,844 35,362	090	0604327F	and Deeply Buried at System (HDBTDS)	4	6,953	9,551	6,383	Ω.	
Operationally Responsive Launch 4 25,844 35,362	090	4731F	Unmanned Combat Air Vehicle (UCAV)	4		159,899		D	
	090	1855F	Operationally Responsive Launch	4		25,844	35,362	D	

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### DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1

D. L.	FROENLALTON: 3000F NESSEE	or messacion, pevelopment, 1950 e EVEL, AE	1, M			Date: FEB 2004	0.4	
. ue	Program			Thous	Thousands of Dollars		со в	
위	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 UI	
9	0604856F	Common Aero Vehicle (CAV)	4		17,025	21,610	Ω	
61	0305178F	National Polar-Orbiting Operational Environmental Satellite System (NPOESS)	4.			307,668	D	
	Advanced	Advanced Component Development & Prototypes		1,429,066	2,032,666	2,384,536		
62	0603840F	Global Broadcast Service (GBS)	ហ	20,910	37,823	33,447	D	
63	0604012F	Joint Helmet Mounted Cueing System (JHMCS)	ഗ	1,753	836	2,867	D	
64	0604222F	Nuclear Weapons Support	ഗ	13,091	13,244	13,301	D	
65	0604226F	B-1B	ហ	150,427	87,933	59,462	Ω	
99	0604233F	Specialized Undergraduate Flight Training	ம	1,772	3,239	3,359	D	
67	0604239F	F-22	ഹ	843,999	615,467	210,000	Ω	
89	0604240F	B-2 Advanced Technology Bomber	ιΩ	232,151	165,920	245,049	D	
69	0604270F	Electronic Warfare Development	່ ເກ	68,781	97,004	138, 393	D	
70	0604280F	Joint Tactical Radio	ĸ	13,667	38,096	49,856	Ω	
71	0604287F	Physical Security Equipment	ស		7,199	9,744	П	
72	0604329F	Small Diameter Bomb (SDB)	гO	56, 292	125,373	76,489	Ω	
73	0604421F	Counterspace Systems	ស	.37,077	81,629	75, 863	Ω	
74	0604435F	Advanced Polar MILSATCOM	ហ		13,584		Ω	
75	0604441F	Space Based Infrared System (SBIRS) High EMD	ιn	775,346	610,230	508, 448	D	
76	0604479F	Milstar LDR/MDR Satellite Communications (SPACE)	່ ທ	148,291	1,367	1,380	D.	
77	0604600F	Munitions Dispenser Development	S	3,363	17,499	28,048	п	
78	0604602F	Armament/Ordnance Development	. ro	8,530	8,347	8,353	D	
42	0604604F	Submunitions	Ŋ	4,376	4,677	4,824	п	

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# DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

0	RIATION: 36	APPROPRIATION: 3600F Research, Development, Test & Eval, AF	L, AF			Date: FEB 2004	4
Š							
	Program			Thous	Thousands of Dollars		co t
	Number	Item	Act	FY 2003	FY 2004	FY 2005	4 01
80	0604617F	Agile Combat Support	S	7,870	13,360	10,053	Þ
81	0604618F	Joint Direct Attack Munition	S	17,021	35,159		Þ
82	0604706F	Life Support Systems	ĸ	9,982	5,026	. 6, 630	D
83	0604731F	Unmanned Combat Air Vehicle (UCAV)	·S	37,541	14,550		Þ
84	0604735F	Combat Training Ranges	ស	. 15,244	24,077	18,714	Þ
85	0604740F	Integrated Command & Control Applications (IC2A)	۲O.	12,573	11,105	258	Þ
98	0604750F	Intelligence Equipment	S	1,277	2,290	1,349	n
87	0604754F	. Tactical Data Link Infrastructure	ιΩ		14,550		D
8.8	0604762F	Common Low Observables Verification System (CLOVerS)	<b>ن</b>	4,695	6,941	10,303	D
89	0604800F	Joint Strike Fighter (JSF)	2	1,612,826	2,092,547	2,307,420	D
90	0604851F	Intercontinental Ballistic Missile	S.	119,689	172,713	91,687	Ω
91	0604853F	Evolved Expendable Launch Vehicle Program (SPACE)	S	55,782	. 606'L	27,000	D
92	0605011F	RDT&E for Aging Aircraft	Ŋ	32,081	40,615	15,665	D
93	0207131F	A-10 Squadrons	ις.		13,881		Ď
94	0207256F	Unmanned Combat Air Vehicle Joint Program Office	<b>ن</b> .		2,372	2,911	D
95	0207434F	Link-16 Support and Sustainment	S	50,535	70,481	141,012	D
96	0207443F	Family of Interoperable Operational Pictures (FIOP)	ر الاس			44,947	D
97	0207450F	Multi-Sensor C2 Aircraft (MC2A)	5S			538,860	D
86	0207701F	Full Combat Mission Training	د	3,585	6,887	5,894	D
66	E 2000		1				

### DEPARTMENT OF THE AIR FORCE FY 2005 RDILE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

		mour	monsands of Dollars		U F
Item	Act	FY 2003	FY 2004	FY 2005	4 01
	S	7,736	65,144	16,439	Ω
opment & Demonstration		4,381,477	4,543,591	4,708,025	
Threat Simulator Development	ဖ	28,836	36,283	34,517	n
Major T&E Investment	9	58,331	. 60, 992	58,933	U
RAND Project Air Force	9	29,460	24,377	24,970	D
Ranch Hand II Epidemiology Study	ø	10,074	4,652	4,813	D
Small Business Innovation Research	ø	274,413			D
Initial Operational Test & Evaluation	φ	36,320	34,343	28,839	D
Test and Evaluation Support	•	382,938	326,918	356,266	n
Rocket Systems Launch Program (SPACE)	9	28,731	22,976	7,984	D
Space Test Program (STP)	ø	46,175	38,579	44,521	D
Facilities Restoration and Modernization - Test and Evaluation Support	<b>v</b>		33,652	58, 936	D
Facilities Sustainment - Test and Evaluation Support	· ·		15,636	23,067	D
General Skill Training	9	299	315	323	D
Financing for Expired Account Adjustments	vo	1,996			Þ
Judgment Fund Reimbursement	ø	20,000	36,125	100,000	D
International Activities	ø	3,640	3,834	3,945	D
RDT&E Management Support		921,213	638,682	747,114	
Anti-Tamper Technology Executive Agency	7	8,474	8,780	7,858	D
B-52 Squadrons	7	52,001	28,406	25,766	n

# DEPARTMENT OF THE AIR FORCE. FY 2005 RDIEE PROGRAM

EXHIBIT R-1

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eu i	Program			Thousa	Thousands of Dollars		o H	
2	Number	Item	Act	FY 2003	FY 2004	FY 2005	ı Ul	
118	0101120F	Advanced Cruise Missile	7	2,562	13,212	7,740	D	
119	0101122F	Air-Launched Cruise Missile (ALCM)		19,400	29,466	11,837	n	
120	0101313F	Strat War Planning System - USSTRATCOM	7	1,625	1,724	23,391	D	
121	0101314F	Night Fist - USSTRATCOM	7			4,987	D	
122	0101815F	Advanced Strategic Programs	7	5,817	6,048	8,393	À	
123	0102326F	Region/Sector Operation Control Center Modernization Program	7	26,286	32,185	19,047	p	
124	0203761F	Warfighter Rapid Acquisition Process (WRAP) Rapid Transition Fund	۲	27,029		24,935	Þ	
125	0207028F	Joint Expeditionary Force Experiment	7	25,533	50,931		Ð	
126	0207131F	A-10 Squadrons	7	10,960	29,476	22,590	D	
1.27	0207133F	F-16 Squadrons	7	77,627	96,135	909'66	D	
128	0207134F	F-15E Squadrons	7	70,749	122,436	115,246	D	
129	0207136F	Manned Destructive Suppression		21,821	20,458	16,976	D	
130	0207138F	F/A-22 Squadrons	7	65,422	313,101	354,528	D	
131	0207141F	F-117A Squadrons	7	3,710	14,627	29,661	Ð	
132	0207161F	Tactical AIM Missiles	7	2,785	372	5,558	Þ	
133	0207163F	Advanced Medium Range Air-to-Air Missile (AMRAAM)	7	39,334	32,154	33,266	Þ	
134	0207224F	Combat Rescue and Recovery	7	. 1		12,342	Þ	
135	0207247E	AF TENCAP	7	14,157	18,818	10,673	Þ	
136	0207248F	Special Evaluation Program	7	139,200	192,582	199,040	. п	
137	0207253F	Compass Call	7	8,786	8,706	3,990	D	

DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

Number  O207268F Aircraft Engine  D20727F CSAF Innovation  O207325F Joint Air-to-Sur  Missile (JASSM)  O207412F Air & Space Oper  (AOC)  O207412F Control and Repc  System (AWACS)  O207423F Advanced Community  O207424F Evaluation and A  O207438F Theater Battle N  C41  O207446F Fighter Tactical  O207448F CZISR Tactical	gram Program rface Standoff rations Center orting Center (CRC)	Act 7	FY 2003			į
	Engine Component ent Program lovation Program .r-to-Surface Standoff (JASSM) ace Operations Center and Reporting Center (CRC)	7		FY 2004	FY 2005	וטו
	ovation Program  .r-to-Surface Standoff (JASSM)  ace Operations Center and Reporting Center (CRC)		174,205	178,582	165, 609	D
	.r-to-Surface Standoff (JASSM) ace Operations Center and Reporting Center (CRC)	7	1,671	2,856	1,879	D
	ace Operations Center and Reporting Center (CRC)	7	48,633	25,498	45,777	D
	and Reporting Center (CRC)	7	68,890	27,513	27,695	D
		7	6,099	15,868	11,634	Þ
	Airborne Warning and Control System (AWACS)	۲ .	163,725	267,846	288,787	D
	Advanced Communications Systems	7	27,326	12,208	20,066	D
	Evaluation and Analysis Program	7.	227,032			D
	Advanced Program Technology	7	100,048	263,671	249,391	D
	Theater Battle Management (TBM) C41	٢	33,304	32,505	37,210	D
	Fighter Tactical Data Link	7	28,955	42,318	50,976	D
	actical Data Link	7.		12,849	120,256	D
	C2ISR Tactical Data Link	7	•	26,503	25,441	D
0207449F Command and C	Command and Control (C2)	7	337,764	360,051	44,035	n
0207581F Joint Sur Radar Sys	Surveillance/Target Attack System (JSTARS)	7	62,103	.57,760	89,247	D
0207590F Seek Eagle	11e	7	16,080	19,421	23,159	D
0207591F Advanced	Advanced Program Evaluation	7	242,161	292,478	474,734	D
0207601F USAF Mode	USAF Modeling and Simulation	7	25,540	12,873	18,693	D
0207605F Wargaming	Wargaming and Simulation Centers	7	7,894	7,201	6,377	D
157 0208006F Mission P	Mission Planning Systems	7	19,795	51,645	136,701	D

### DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

io to	a U)	D	D							D.	D .	D	D	D	D	п	D			D	Þ	
	FY 2005	7,230			-		•			11,172		33,183	79,625	18,637	3, 611		272,149			.7,291	17,833	
Thousands of Dollars	FY 2004	11,988								44,000	· ·	10,595	47,718	17,239	3,500	) !	171,860		142,801	6,820	20,468	
Thousa	FY 2003	866'8	181,514	38,748						47,393	2,009	2,253	21,659	25,739	3,218	4,344	. 65, 090		147,665	6,961	16,725	
	Act	7	7	7	۲,	7	7	7	7	7	7.	7	7	7	7	L ·	7	7	7	7	7	
	Item	Information Warfare Support	Technical Evaluation System	Special Evaluation System	National Air Intelligence Center	COBRA BALL	Missile and Space Technical Collection	FOREST GREEN	Management HQ - GDIP	E-4B National Airborne Operations Center (NAOC)	Defense Satellite Communications System (SPACE)	Minimum Essential Emergency Communications Network (MEECN)	Information Systems Security Program	Global Combat Support System	Global Command and Control System	Communications Security (COMSEC)	MILSATCOM Terminals	Special Activities	Selected Activities	Global Air Traffic Management (GAIM)	Satellite Control Network (SPACE)	
Program	Number	0208021F	0208160F	0208161F	0301310F	.0301314F	0301315F	0301324F	0301398F	0302015F	0303110F	0303131F	0303140F	0303141F	0303150F	0303401F	0303601F	0304111F	0304311F	0305099F	0305110F	
		158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	

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## DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

o (	a 01	D	D	D		D	D	D	D	D		D	D	D	D	D	n	Ω	Þ
	FY 2005	7,371	5,178	484		7, 905	219,345		104,114	148,344		411	47,253	118,787	1,097	87,745		55,464	13,283
ands of Dollars	FY 2004	10,421		20,300		7,436	95,961	706	99,449	144,790		401	806'69			46,599	401,413	77,930	15,682
Thousands	FY 2003	9,141		443		15,259	41,631	5,031	80,500	284,036			90,781			24,101	352, 679	64,380	8,357
	Act	, L	7	7	7	٢		1	7	7	7	7	7	7		7	7	7	7
	Item	Air Traffic Control, Approach, and Landing System (ATCALS)	Aerial Targets	Security and Investigative Activities	Applied Technology and Integration	Air Force Tactical Measurement and Signature Intelligence (MASINT) Systems/Progr	Defense Reconnaissance Support Activities (SPACE)	Defense Meteorological Satellite Program (SPACE)	NAVSTAR Global Positioning System (User Equipment) (SPACE)	NAVSTAR Global Positioning System (Space and Control Segments)	Combined Advanced Applications	Space Warfare Center	Spacelift Range System (SPACE)	Personnel Security Investigations Program - Air Force	Intelligence Support to Information Operations (IO)	Dragon U-2 (JMIP)	Endurance Unmanned Aerial Vehicles	Airborne Reconnaissance Systems	Manned Reconnaissance Systems
Program	Element	0305114F	0305116F	0305128F	0305142F	0305148F	0305159F	0305160F	0305164E	0305165F	0305172F	0305174F	0305182F	0305191F	0305193F	0305202F	0305205E	0305206F	0305207F
	No	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196

## DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

	S) E	FY 2005 C	21,232 U	81,346 U	336,159 U	963 U	64,822 U	161,838 U	D	35,398 U	12,907 U	D	3,345 U	150,242 U	332,982 U	199,692 U	36,305 U	73,684 U	1,079 U.	18,452 U	1,067 U	1,431 U	1,596 U	38,012 U
	Dollars	FY 2004	27,772				57,107	104,694		35,428	12,446		3,210	104,486 1	346,541 3	183,913	13,436	45,543	3,147	2,286		1,394		7007
	Thousands of Dollars	FY 2003	30,885		·		14,600	20,289	1,935	20,754		1,936	3,604	130,279	273,750 3	155,805	1,890	51,311	1,908	20,149		2,209		
		Act	1ce 7	L .	7	7	7	7	7	7		7	7	7	7	7	7	res 7	7	7	. 7 .	7	port 7	
4		Item	Distributed Common Ground/Surface Systems	Predator UAV (JMIP)	Global Hawk UAV (JMIP)	Intelligence Support to Information Warfare	NCMC - TW/AA System	SPACETRACK (SPACE)	Defense Support Program (SPACE)	NUDET Detection System (SPACE)	Space Architect	Modeling and Simulation Support	Shared Early Warning (SEW)	C-130 Airlift Squadron	C-5 Airlift Squadrons (IF)	C-17 Aircraft (IF)	C-130J Program	Large Aircraft IR Countermeasures (LAIRCM)	KC-135s	KC-10s	Special Tactics / Combat Control	Depot Maintenance (Non-IF)	Acquisition and Management Support	i de la companya de l
	Program	Number	0305208F	0305219F	0305220F	0305887F	0305906F	0305910F	0305911F	0305913F	0305917F	0308601F	0308699F	0401115F	0401119F	0401130F	0401132F	0401134F	0401218F	0401219F	0408011F	0702207F	0702806F	11.0000
			197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218

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### DEPARTMENT OF THE AIR FORCE FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 3600F Research, Development, Test & Eval, AF

	Program			Thou	Thousands of Dollars		O F
K N	Element	Item	Act	FY 2003	FY 2004	FY 2005	4 OI
219	0708012F	Logistics Support Activities		8,718	1,381		D
220	0708026F	Productivity, Reliability, Availability, Maintain: Prog Ofc (PRAMPO)	7	9,154	8,924		D
221	0708611F	Support Systems Development	7	50,035	72,843	50,238	Ω
222	0708612F	Computer Resources Support Improvement Program (CRSIP)	7	2,049			D
223	0808716F	Other Personnel Activities	7			110	Ω
224	0901212F	Service-Wide Support (Not Otherwise Accounted For)	7	3,687	4,333		D
225	0901218F	Civilian Compensation Program	. 1	14,189	7,069	7,272	Þ
226	0901538F	Financial Management Information Systems Development	7	14,551	13,284	15,732	D
	Operatio	Operational Systems Development		10,465,945	10,757,771	11,356,318	
	Total Research,	ch, Development, Test & Eval, AF		18,934,575	20,293,595	21,114,667	

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DEFENSE-WIDE

FY 2005 RDTGE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Basic Research	508,190	207,088	190,088
Applied Research	1,813,154	1,762,980	1,876,306
Advanced Technology Development	2,472,793	2,933,712	3,047,451
Advanced Component Development & Prototypes	5,602,802	7,544,878	9,429,174
System Development & Demonstration	1,395,367	335,261	424,870
RDI&E Management Support	1,000,827	769,218	711,326
Operational Systems Development	5,045,582	5,373,561	5,060,622
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837
Summary Recap of FYDP Programs			
General Purpose Forces	53,205	51,699	48,314
Intelligence and Communications	4,528,123	4,797,538	4,623,088
Research and Development	12,685,387	13,259,016	15,369,544
Central Supply and Maintenance	48,923	81,272	22, 394
Administration and Associated Activities	61,167	141,944	187,400
Support of Other Nations		24,363	30,399
Special Operations Forces	461,910	570,866	458, 698
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837

Defense-Wide

FY 2005 RDTEE PROGRAM

SUMMARY (\$ IN THOUSANDS)

FEB 2004

ary Recap of Defensewide	FY 2003	FY 2004	FY 2005	
pecial Operations Command	484, 692	594,630	481,817	
efense Contract Management Agency	14,340	15,638	17,373	**
hemical and Biological Defense Program	638,013	705,946	559,901	
ational Geospatial Intelligence Agency				
efense Threat Reduction Agency	498,432	398,220	442, 292	
ounter Intelligence Field Activity				
issile Defense Agency	6,687,013	7,625,487	9,146,672	
ífice of Secretary Of Defense	2,340,094	1,945,386	2,332,926	
efense Adv Research Projects Agcy	2,654,979	2,831,456	3,090,279	
ational Security Agency				
he Joint Staff	109,284	126,715	120,247	
efense Information Systems Agency	263,735	311,991	318,508	
efense Intelligence Agency				
efense Contract Audit Agency	537			
efense Logistics Agency	191,875	215,463	59,560	
OD Human Resources Activity	27,896	28,897	76,761	
efense Security Cooperation Agency	2,739	5,840	6, 995	
efense Security Service	463			
Total Research, Development, Test & Eval, DW	17,838,715	18,926,698	20,739,837	

### DEFENSE-WIDE FY 2005 RDIEE PROGRAM

EXHIBIT R-1

FY 2005 RDIEE PROG

Proc	Program			Thous	Thousands of Dollars		co b
	Jer Jer	Item	Act	FY 2003	FY 2004	FY 2005	4 01
1 0601	0601101D8Z	In-House Laboratory Independent Research	; ;	2,044			D
2 0601	0601101E	Defense Research Sciences	Н	171,383	139,434	143,729	Þ
3 0601	0601103082	University Research Initiatives	н	232, 653			D
4 0601	0601105D8Z	Force Health Protection	н	14,156			D
5 0601	0601108D8Z	High Energy Laser Research Initiatives	н	11,355			Ω
090 9	0601111D8Z	Government/Industry Cosponsorship of University Research	н	8,240	969'9		Þ
7 0601	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	н	15,197	9,578	9,590	D
8 0601	0601384BP	Chemical and Biological Defense Program	-	53,162	51,380	36,769	Þ
	Basic Research	learch		508,190	207,088	190,088	
090 6	0602227D82	Medical Free Electron Laser	. 0.	11,609	18,518	9,668	D
10 0602	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	<b>0</b> 17	25,306	20,651	14,192	D
11 . 0602	0602234D8Z	Lincoln Laboratory Research Program	21	26,056	26,830	25,441	D
12 0602	0602301E	Computing Systems and Communications Technology	7	390,607	334,696	342,614	D
13 0602	0602302E	Embedded Software and Pervasive Computing		54,870	13,250		D
14 0602	0602383E	Biological Warfare Defense	8	157,861	149,105	147,533	D
15 0602	0602384BP	Chemical and Biological Defense Program	Ν,	170,183	151,372	104,385	, D
16 0602	0602702E	Tactical Technology		168,826	247,405	339,175	D
17 0602	0602712E	Matorial of the Control of the Contr	c	754 111	ACE AEA	7 7 7 7	-

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DEFENSE-WIDE FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1 Date: FEB 2004

R. NED Defeat Technology   2   228,827   184,109   249,786   228,827   184,109   249,786   228,827   184,109   249,786   228,827   184,109   249,786   228,827   228,827   234,726   234,726   234,726   234,726   234,726   234,727   234	Program Element			Thous	Thousands of Dollars		O M
wND Defeat Technology         2         228,827         184,109         249,786           wND Defeats Technology         2         115,681         115,497         116,113           Medical Technology         2         6,100         11,641         10,084           Special Operations Technology         2         42,791         19,274         13,109           Special Operations Technology         2         42,791         19,274         13,109           Someon Technology Development         2         42,791         5,982         2,162           Amedical Advanced Technology         3         17,494         5,941         2,063           Explosives Demilitarization         3         114,374         97,291         46,719           Support         Technology         3         114,374         97,291         46,719           Support         Counterproliferation Initiatives         3         114,374         97,291         46,719           Support         Counterproliferation Initiatives         3         115,217         225,268         204,320           Support         Counterproliferation Initiatives         3         115,217         225,268         204,320           Technology Development         3         3		Item	Act	FY 2003	FY 2004	FY 2005	O
WMD Defense Technologies   2   115,681   115,497   116,113	BR		7	228,827	184,109	249,786	D
Special Technology   2	0602717BR	WMD Defense Technologies	2	115,681	115,497	116,113	D
Special Operations Technology   2   19,274   13,109	0602787D82	Medical Technology	8	6,100	11,641	10,084	D
Special Operations Technology   2   19,274   13,109	Z80	High Energy Laser Research	7	42,791		,	D
Soft Medical Technology Development   2   1,162,960   1,916,306	BB	Special Operations Technology Development	7		19,274	13,109	D
Remearch         1,813,154         1,762,980         1,876,306           Medical Advanced Technology         3         17,494         2,063           Explosives Demilitarization         3         18,495         33,605         32,682           SO/LIC Advanced Development         3         114,374         97,291         46,719           Support         Combating Terrorism Technology         3         114,374         90,338         74,456           Defeat         Proliferation Initiatives         3         151,217         225,268         204,320           Defeat         Ballistic Missile Defense         3         151,217         225,268         204,320           Joint DoD-DoE Munitions         3         151,217         24,648         23,319           Automatic Target Recognition         3         16,124         24,648         23,319           Advanced Aerospace Systems         3         242,095         315,941         361,067           Chemical and Biological Defense         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         105,700         156,496         117,343           Development and R         3         12,878         13,495	88	SOF Medical Technology Development		. !	5,182	2,162	ח
Explosives Demilitarization         3         17,494         5,941         2,063           Explosives Demilitarization         10,494         33,605         32,682           So/LIC Advanced Development         3         18,495         33,605         32,682           Combating Terrorism Technology         3         114,374         97,291         46,719           Counterproliferation Initiatives         3         105,164         90,338         74,456           Proliferation Prevention and Defeat         3         151,217         225,268         204,320           Technology         3         18,124         24,648         23,319           Technology Development         3         4,403         315,941         361,067           Chemical and Biological Defense         3         105,700         156,496         117,343           Program - Advanced Development         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         105,700         156,496         117,343           Development and R         3         12,878         13,495         117,343	per	Research		1,813,154	1,762,980	1,876,306	
Explosives Demilitarization         3         17,494         32,605         32,682           SO/LIC Advanced Development         3         18,495         33,605         32,682           Combating Terrorism Technology         3         114,374         97,291         46,719           Support         Counterproliferation Initiatives         3         105,164         90,338         74,456           Defeat         Ballistic Missile Defense         3         151,217         225,268         204,320           Joint Dob-DoE Munitions         3         18,124         24,648         23,319           Technology         Technology Development         3         44,403         35,941         361,067           Advanced Aerospace Systems         3         242,095         315,941         361,067           Chemical and Biological Defense         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         105,700         156,496         117,343           Joint Unmanned Technology         3         12,878         13,495         117,343	280	Medical Advanced Technology	m	•	5,941	2,063	. D
SO/LIC Advanced Development         3         18,495         33,605         32,682           Combating Terrorism Technology         3         114,374         97,291         46,719           Support         Counterproliferation Initiatives         3         105,164         90,338         74,456           - Proliferation Prevention and Defeat         3         151,217         225,268         204,320           Technology         Technology         3         4,403         24,648         23,319           Automatic Target Recognition         3         4,403         315,941         361,067           Advanced Aerospace Systems         3         105,700         156,496         117,343           Chemical and Biological Defense         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         105,700         156,496         117,343           Guint Unmanned Combat Air Systems         3         12,878         13,495	D8Z	Explosives Demilitarization Technology	м	17,494			D
Combating Terrorism Technology         3         114,374         97,291         46,719           Support         Counterproliferation Initiatives         3         105,164         90,338         74,456           Proliferation Prevention and Defeat         3         151,217         225,268         204,320           Ballistic Missile Defense         3         18,124         24,648         204,320           Technology         Technology Development         3         4,403         35,941         35,319           Automatic Target Recognition         3         242,095         315,941         361,067           Chemical and Biological Defense         3         105,700         156,496         117,343           Chemical and Biological Defense         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems         3         12,878         13,495         117,343	280	SO/LIC Advanced Development	М	18,495	33, 605	32,682	Ω
Counterproliferation Initiatives	0603122D8Z	Combating Terrorism Technology Support	m	114,374	97,291	46,719	Þ
Ballistic Missile Defense         3         151,217         225,268         204,320           Technology         Joint DoD-DoE Munitions         3         18,124         24,648         23,319           Technology Development         3         4,403         24,648         23,319           Automatic Target Recognition         3         242,095         315,941         361,067           Chemical and Biological Defense         3         105,700         156,496         117,343           Program - Advanced Development         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology         3         12,878         13,495           Special Technical Support         3         12,878         13,495	0603160BR	Counterproliferation Initiatives - Proliferation Prevention and Defeat	m	105,164	90,338	74,456	D
Joint Dob-DoE Munitions 3 18,124 24,648 23,319 Technology Development Automatic Target Recognition 3 4,403 Advanced Aerospace Systems 3 242,095 315,941 361,067 Chemical and Biological Defense 3 105,700 156,496 117,343 Program - Advanced Development Joint Unmanned Combat Air Systems 3 (J-UCAS) Advanced Technology Development and R Special Technical Support 3 12,878 13,495	0603175C	Ballistic Missile Defense Technology	m	151,217	225,268	204,320	Þ
Automatic Target Recognition         3         4,403           Advanced Aerospace Systems         3         242,095         315,941         361,067           Chemical and Biological Defense Program - Advanced Development         3         105,700         156,496         117,343           Joint Unmanned Combat Air Systems Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology         3         284,617           Development and R Special Technical Support         3         12,878         13,495	0603225D8Z	Joint DoD-DoE Munitions Technology Development	m	18,124	24,648	23,319	D
Advanced Aerospace Systems 3 242,095 315,941 361,067  Chemical and Biological Defense 3 105,700 156,496 117,343  Program - Advanced Development  Joint Unmanned Combat Air Systems 3 (J-UCAS) Advanced Technology  Development and R  Special Technical Support 3 12,878 13,495	<b>Z8</b> G	Automatic Target Recognition	က	4,403			D
Chemical and Biological Defense 3 105,700 156,496 117,343  Program - Advanced Development Joint Unmanned Combat Air Systems 3 (J-UCAS) Advanced Technology Development and R  Special Technical Support 3 12,878 13,495	0603285E	Advanced Aerospace Systems	က	242,095	315,941	361,067	D
Joint Unmanned Combat Air Systems 3 284,617 (J-UCAS) Advanced Technology  Development and R  Special Technical Support 3 12,878 13,495	0603384BP	Chemical and Biological Defense Program - Advanced Development	m	105,700	156,496	117,343	D
Special Technical Support 3 12,878 13,495	0603400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R	m			284, 617	Þ
	0603704D8Z	Special Technical Support	м	12,878	13,495		D

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### DEFENSE-WIDE

		PY 2005	2005 RDTEE PROGRAM	SRAM		EXHIBIT R-1	7
PROP	RIATION: 0400	PROPRIATION: 0400D Research, Development, Test & Eval, DW	, DW			Date: FEB 2004	04
9	Program			Thousa	Thousands of Dollars		ល្អ
의	Number	Item	Act	FY 2003	FY 2004	FY 2005	U
36	0603711BR	Arms Control Technology	m	42,023	6,438		D
37	06037128	Generic Logistics R&D Technology Demonstrations	М	130,577	123,111	27,542	D
38	0603716D8Z	Strategic Environmental Research Program	m	50,938	49,883	56,936	Ü.
39	0603727D8Z	Joint Warfighting Program	т	8,850	10,284	9,936	Þ
40	0603739E	Advanced Electronics Technologies	m	158,847	186,748	218,151	Þ
41	0603750D8Z	Advanced Concept Technology Demonstrations	ლ .	195,136	218,167	213,901	D
45	0603755D8Z	High Performance Computing Modernization Program	m	185,221	202,492	186,666	D
43	0603760E	Command, Control and Communications Systems	m	115,654	193,562	225,784	D
44	0603762E	Sensor and Guidance Technology	ю	216,052	336,658	337,117	Ω
45	0603763E	Marine Technology	, m	26,164	13,751		n
46	0603764E	Land Warfare Technology	<b>м</b>	164,634	81,513	63, 121	n
47	0603765E	Classified DARPA Programs	ю	261,851	218,192	238,131	D
48.	0603766E	Network-Centric Warfare Technology	·w		91,226	125,124	D
49	0603769SE	Distributed Learning Advanced Technology Development	m	15,230	13,611	13,756	D
20	0603781D82	Software Engineering Institute	е	21,535	22,324	21,599	D.
51	06038058	Dual Use Application Programs	<b>.</b>	5,750	3,710		D
52	0603826D8Z	Quick Reaction Special Projects	ю	24,076	46,566	64,389	D
53	0603832D8Z	Joint Wargaming Simulation Management Office	m	45,835	41,735	46,017	D.
54	0603924D8Z	High Energy Laser Advanced Technology Program	" . m	12,793			n
55	0603942D8Z	Technology Link	m		3,547	1,934	D

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### DEFENSE-WIDE FY 2005 RDILE PROGRAM

EXHIBIT R-1

FY 2005 RDIGE PRO

	4:10	Program			Thou	Thousands of Dollars		co to
1,603.60082   Counteproliferation Support   3   1,683   1,851   1,6040288   Special Operations Advanced   3   1,633.00   4   1,025.20   1,183   1,183   2,432,712   3,00   2,472,793   2,422,793   2,933,712   3,00   2,472,793   2,422,793   2,422,712   3,00   2,422,802	01	Number	Item	Act	FY 2003	FY 2004	FY 2005	101
1604028B   Special Operations Advanced   3	56	0605160D8Z	Counterproliferation Support	e	1,683	1,851	1,958	D
Advanced Technology Development (ATD)  0603228082 Physical Security Equipment (ATD)  0603709082 Joint Robotics Program  0603709082 Joint Robotics Program  0603714082 Advanced Sensor Applications  0603714082 CALS Initiative	57	1160402BB	Special Operations Advanced Technology Development	e .		105,320	48,803	D
0603228D9Z         Physical Security Equipment         4         46,872         1.183           06037109D8Z         Joint Robotics Program         4         19,235         15,784           0603714D8Z         Advanced Sensor Applications         4         16,914         32,983           060373DBZ         Call Initiative         4         7,362         32,983           0603851DBZ         Environmental Security Technical         4         20,091         35,191           0603869C         Meads Concepts         4         101,754         149,993           060388DC         Ballistic Missile Defense System         4         1,026,566         4,           06038BC         Ballistic Missile Defense Segment         4         1,026,566         4,           06038BC         Ballistic Missile Defense Segment         4         1,026,566         4,           06038BC         Ballistic Missile Defense Segment         4         105,643         617,270           06038BC         Ballistic Missile Defense Segment         4         705,643         617,270           06038BC         Ballistic Missile Defense Sensors         4         105,643         617,270           06038BC         Ballistic Missile Defense Sensors         4         12,567         1		Advanced	Technology Development (ATD)		2,472,793	2,933,712	3,047,451	
0603709D82         Joint Robotics Program         4         19,235         15,784           0603714D82         Advanced Sensor Applications         4         16,914         32,983           0603730B2         Cals Initiative         4         7,362         32,983           0603851D82         Environmental Security Technical         4         7,362         35,191           060385DC         Meads Concepts         4         101,754         149,993           060388DC         Ballistic Missile Defense System         4         1,026,566         44,           06038BC         Ballistic Missile Defense Segment         4         1,026,566         44,           06038BC         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         44,           06038BC         Ballistic Missile Defense Segment         4         705,643         617,270         617,270           06038BC         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           06038BC         Ballistic Missile Defense Segment         4         705,643         617,270         6038           06038BC         Ballistic Missile Defense System         4         327,013         425,421         719	28	0603228D8Z	Physical Security Equipment	4	46,872	1,183		Ω
0603714D8Z         Advanced Sensor Applications         4         16,914         32,983           0603736D8Z         CALS Initiative         4         7,362         35,191           0603851D8Z         Environmental Security Technical         4         20,091         35,191           0603869C         Meads Concepts         4         101,754         149,993           0603889C         Ballistic Missile Defense System         4         1,026,566         4,           060388C         Ballistic Missile Defense Segment         4         1,026,566         4,           060388C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           060388C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603884C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603884C         Ballistic Missile Defense Sensors         4         327,013         425,421           060388C         Ballistic Missile Defense System         4         327,013         425,421           060388C         Ballistic Missile Defense System         4         53,782         633,782	59	0603709082	Joint Robotics Program	4	19,235	15,784	11,771	D
0603851D8Z         CALIS Initiative         4         7,362           0603851D8Z         Environmental Security Technical         4         20,091         35,191           0603869C         Meads Concepts, Evaluations         4         101,754         149,993           0603880C         Advanced Concepts, Evaluations         4         1,026,566         149,993           0603881C         Ballistic Missile Defense System         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603883C         Ballistic Missile Defense Segment         4         705,643         617,270         617,270         603884BP           0603884BP         Chemical and Biological Defense Sensors         4         327,013         425,421         117,719           0603884C         Ballistic Missile Defense System         4         327,013         425,421         1060388C           060388C         Ballistic Missile Defense System         4         327,013         425,421         117,719           060388C         Ballistic Missile Defense System         4         327,013         633,782         425,421	09	0603714D8Z	Advanced Sensor Applications Program	4	16,914	32,983	17,581	D.
0603863C         Environmental Security Technical         4         20,091         35,191           0603869C         Meads Concepts         4         101,754         149,993           0603879C         Advanced Concepts, Evaluations         4         1,026,566         149,993           0603881C         Ballistic Missile Defense System         4         1,026,566         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603883C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603884DP         Chemical and Biological Defense Sensors         4         327,013         425,421           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603884C         Ballistic Missile Defense Test & 4         4         327,013         433,782	61	0603736D82		4	7,362		i	D
0603869C         Meads Concepts         4         101,754         149,993           0603879C         Advanced Concepts, Evaluations And Systems         4         1,026,566         149,993           0603880C         Ballistic Missile Defense System Concepts Segment         4         134,093         874,527           0603881C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,05,643           0603883C         Ballistic Missile Defense Boost Defense Segment         4         705,643         617,270           0603884D         Chemical and Biological Defense Sensors Program         4         327,013         425,421           0603884C         Ballistic Missile Defense System Interceptor         4         327,013         425,421           0603888C         Ballistic Missile Defense Test & 4         4         533,782	. 29			4	20,091	35,191	32,546	n
0603890C         Advanced Concepts, Evaluations         4         149,993           0603880C         Ballistic Missile Defense System         4         1,026,566           0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603883C         Ballistic Missile Defense Boost         4         705,643         617,270         617,270           0603884C         Ballistic Missile Defense Sensors         4         327,013         425,421           0603886C         Ballistic Missile Defense System         4         327,013         633,782           060388C         Ballistic Missile Defense Test & 4         5327,013         633,782	63	26986090	Meads Concepts	4	101,754			D
0603881C         Ballistic Missile Defense System         4         1,026,566           0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603883C         Ballistic Missile Defense Segment         4         705,643         617,270           0603884C         Ballistic Missile Defense Sensors         4         91,567         131,433           0603886C         Ballistic Missile Defense System         4         327,013         425,421           0603888C         Ballistic Missile Defense Test & 4         533,782	64	0603879C	Advanced Concepts, Evaluations And Systems	4		149,993	256,159	Þ
0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4,           0603883C         Ballistic Missile Defense Boost         4         705,643         617,270         617,270           0603884BP         Chemical and Biological Defense Sensors         4         91,567         131,433           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         4         533,782	65	0603880C	Ballistic Missile Defense System Segment	4	1,026,566			D
0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066         4, Midcourse Defense Segment           0603883C         Ballistic Missile Defense Boost         4         705,643         617,270           0603884BP         Chemical and Biological Defense         4         91,567         131,433           0603884C         Ballistic Missile Defense Sensors         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         4         117,719           Targets         Ballistic Missile Defense Test & 4         4	99	0603881¢	Ballistic Missile Defense Terminal Defense Segment	4	134,093	874,527	937,748	D
0603883C         Ballistic Missile Defense Boost         4         705,643         617,270           0603884BP         Chemical and Biological Defense         4         91,567         131,433           0603884C         Ballistic Missile Defense Sensors         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         117,719           Targets         Targets         4         633,782	29	0603882C	Ballistic Missile Defense Midcourse Defense Segment	4	3,056,035	3,724,066	4,384,775	D
0603884BP         Chemical and Biological Defense         4         91,567         131,433           Program         0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         117,719           0603888C         Ballistic Missile Defense Test & 4         633,782	89	0603883C	Ballistic Missile Defense Boost Defense Segment	4	705,643	617,270	492, 614	D
0603884C Ballistic Missile Defense Sensors 4 327,013 425,421 0603886C Ballistic Missile Defense System 4 117,719 Interceptor 0603888C Ballistic Missile Defense Test & 4 633,782 Targets	69	0603884BP	Chemical and Biological Defense Program	4	91,567	131,433	104,195	D
0603888C Ballistic Missile Defense System 4 117,719 Interceptor 0603888C Ballistic Missile Defense Test & 4 633,782 Targets	70	0603884C	Ballistic Missile Defense Sensors	4	327,013	425,421	591,957	D
0603888C Ballistic Missile Defense Test & 4 633,782 Targets	71	0603886C	Defense	4		117,719	511,262	D
	72	0603888C	istic Missile Defense Test ets	4		633,782	713,658	D

### DEFENSE-WIDE FY 2005 RDIGE PROGRAM

EXHIBIT R-1

	Program			Thous	Thousands of Dollars		co to
S S	Number	Item	Act	FY 2003	FY 2004	FY 2005	101
73	06038890	Ballistic Missile Defense Products	4		305,309	418, 608	Þ
74	06038900	Ballistic Missile Defense Systems Core	4		445,356	479,764	D
75	0603910D8Z	Strategic Capability Modernization	4	19,461			D
92	0603920D8Z	Humanitarian Demining	4	12,627	13,108	13,747	Þ
11	0603923D8Z	Coalition Warfare	4	6,545	5,822	5,886	D
78	0604400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Prototype Deve	4		••	422,873	Ð
79	0604722D8Z	Joint Service Education and Training Systems Development	<b>4</b> .	961	786		D
80	0605017D8Z	Reduction Of Total Ownership Cost	⋖*		¥	27,351	D
81	0303191D8Z	Joint Electromagnetic Technology (JET) Program	4	10,063	14,944	6,679	Þ
	Advanced	Component Development & Prototypes		5,602,802	7,544,878	9,429,174	
82	0604384BP	Chemical and Biological Defense Program	ω.	168,723	176,337	152,379	D
83	0604618D8Z	MANPADS Defense Program	ιń		. 2,958	14,135	D
84	0604709D8Z	Joint Robotics Program	Ω	27,326	21,381	13,845	D
82	0604764K	Advanced IT Services Joint Program Office (AITS-JPO)	ທ	25,480	16,673	18,183	Þ
98	0604771D8Z	Joint Tactical Information Distribution System (JTIDS)	ιΩ	10,122	10,478	18,515	D
87	0604861C	Theater High-Altitude Area Defense System - TMD	S	864,216			D
80	0604865C	Patriot PAC-3 Theater Missile Defense Acquisition	5	138,922			Ď
83	0605013BL	Information Technology Development	ທ	3,858	10,498	10,683	D.
90	0605013D82	Prototype Accounting Systems	LC	8,889			=

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EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIEE PROGRAM

Name   State   State	Line	Program			Thou	Thousands of Dollars		O) E
10,0030145B.   Information Technology Development   5   10,482   5,140   5,240   5,0	01	Number		Act	FY 2003	FY 2004	FY 2005	OI.
Information Technology   System (SPS)   System (SPS)	91	0605014SE	Information Technology Development	2			52,407	D
Tity   1,000	92	0605015BL	Information Technology Development-Standard Procurement System (SPS)	ιΩ	10,482	5,140	6, 690	Þ.
0303129K         Defense Message System         5         11,279         9,662         6,688           0303140K         Information Systems Security         5         18,005         6,688         2,493           0303141K         Global Combat Support System         5         16,709         16,396         17,867           0303158K         Joint Commence         5         24,165         7,137         3,000           0305840K         Electronic Commence         5         24,165         7,137         3,466           0305840K         Electronic Commence         5         24,165         7,137         3,466           0901200D8         BMMP Domain Management and Control         5         24,165         7,137         3,466           0901200D8         BMMP Domain Management and Demonstration (3DD)         5         24,165         7,137         3,466           0603704D82         Special Technical Support         6         1,395,367         325,61         44,80           0603757D82         Training Transformation (T2)         6         1,109         2,909         9,977           0603858D82         Unexploded Ordnance Detection and Good (10,000)         6         1,109         1,109         4,989           0604875D82         T	93	0605016D8Z	Financial Management System Improvements	ស	67,191	45,098	94,767	Þ
1,000   1,00	94	0303129K	Defense Message System	2	11,279	9,662	6,623	
0303141K Global Combat Support System 6 16,709 16,396 17,867 3,000 (3003158K (JC2) Command and Control Program 5 24,165 7,137 3,466 (300305840K Electronic Commerce 5 2,335 2,345 (3001200B2 Electronic Commerce 5 2,335 2,345 (3001200B2 Electronic Commerce 5 2,335 2,345 (3001200B2 Electronic Commerce 5 3 4,480 4,480 7,472 (3001200B2 Electronic Commerce 10 1,395,367 335,261 4,480 7,472 (30030570B2 Electronic Support 10 6 1,395,367 335,261 4,480 7,472 (30037570B2 Electronic Support 10 6 1,195 1 1,195	95	0303140K	Information Systems Security Program	ហ	18,005	6,688	2,493	
303158K         Joint Command and Control Program         5         24,165         7,137         3,000           30305840K         Electronic Commerce         5         24,165         7,137         3,466           99012009E3         Electronic Commerce         5         2,335         2,335         2,345           Systems Integration         10         4,480         7,472           Systems Integration         6         1,395,367         335,261         424,800           060376708E         Special Technical Support         6         1,395,367         2,909         9,977           060376708E         Transformation Initiatives Program         6         1,109         2,909         9,977           06038508E         Transformation Initiatives Program         6         1,109         1,109         9,977           0604740E         System (DRSS)         Osters Readiness Reporting         6         1,109         7,053         19,691           06048750E         Thermal Vicar         6         6,949         7,053         7,263           06051040E         Thermal Vicar         6         29,465         30,618	96	0303141K	Global Combat Support System	2	16,709	16,396	17,867	D
0901200DBZ         Electronic Commerce         5         24,165         7,137         3,466           0901200DBZ         Electronic Commerce         5         4,480         2,335         2,345           Systems Integration         1         1,395,367         335,261         4,480         7,472           Systems Integration         6         1,395,367         335,261         424,870           0603757D8Z         Training Transformation (T2)         6         2,909         19,274           060385D8Z         Transformation Initiatives Program         6         1,109         2,909           060385D8Z         Unexploded Ordnance Detection and Colours         6         1,109         15,336           0604975D8Z         Joint Systems Architecture         6         1,109         15,336           0604975D8Z         Joint Systems Architecture         6         6,949         7,053         7,263           0604975D8Z         Thermal Vicar         6         29,465         7,053         7,263	16	0303158K	Joint Command and Control Program (JC2)	ß			3,000	
0901200082         Enectronic Commerce         5         2,335         2,345           Systems Integration           Systems Integration           Systems Integration           Systems Integration           6003764082           Special Technical Support         6         1,395,367         4,480         7,472           0603757082         Training Transformation (T2)         6         2,909         2,909         9,977           060385082         Transformation Initiatives Program         6         1,109         2,309         9,977           0604875082         Unexploded Ordnance Detection and System (DRRS)         6         1,109         15,336         19,691           0604875082         Joint Systems Architecture         6         6,949         7,053         4,989           0604943082         Thermal Vicar         6         29,465         29,762         30,618	86	0305840K	Electronic Commerce	rὑ	24,165	7,137	3,466	
Systems Integration         5         4,480         7,472           Systems Integration           Systems Integration         1,395,367         335,261         424,870           0603704D8Z         Special Technical Support         6         1,395,367         19,274           0603785D8Z         Training Transformation (TZ)         6         2,909         9,977           0603835D8Z         Transformation Initiatives Program         6         1,109         5,909           060385BD8Z         Unexploded Ordnance Detection and Clearance         6         1,109         15,336         19,691           0604474D8Z         Defense Readiness Reporting         6         5,946         7,053         4,989           060443D8Z         Thermal Vicar         6         6,949         7,053         7,263           0604943D8Z         Technical Studies, Support and         6         29,465         29,762         30,618	66	03058408	Electronic Commerce	2		2,335	2,345	
System Development and Demonstration (SDD)         1,395,367         335,261         424,870           0603704D8Z         Training Transformation (TZ)         6         1,109         2,909         9,977           060385BBZ         Transformation Initiatives Program         6         1,109         9,977           060385BBZ         Unexploded Ordnance Detection and Clearance         6         1,109         9,977           0604774D8Z         Defense Readiness Reporting System (DRRS)         6         15,336         19,691           0604875D8Z         Joint Systems Architecture         6         6,949         7,053         7,263           0604943D8Z         Thermal Vicar         6         6,946         7,053         7,263           0604943D8Z         Technical Studies, Support and 6         29,465         29,762         30,618	00	0901200D8Z	BMMP Domain Management and Systems Integration	ഗ		4,480	7,472	
0603757D8Z         Training Transformation (T2)         6         2,909         19,274           0603835D8Z         Training Transformation Initiatives Program         6         1,109         9,977           060385BD8Z         Unexploded Ordnance Detection and Clearance         6         1,109         15,336         19,691           0604774D8Z         Defense Readiness Reporting System (DRRS)         6         6,949         7,053         7,263           0604875D8Z         Joint Systems Architecture Goodsuppment         6         6,949         7,053         7,263           0604943D8Z         Thermal Vicar         6         6,949         7,053         7,263           0605104D8Z         Technical Studies, Support and Goodsuppment         6         29,465         29,762         30,618		System D	evelopment and Demonstration (SDD)		1,395,367	335,261	424,870	
060385DBZ         Training Transformation (T2)         6         2,909           060385DBZ         Transformation Initiatives Program         6         1,109         9,977           060385BDBZ         Unexploded Ordnance Detection and Clearance         6         1,109         15,336         19,691           0604774DBZ         Defense Readiness Reporting System (DRRS)         6         4,989           0604875DBZ         Joint Systems Architecture         6         6,949         7,053         7,263           0604943DBZ         Thermal Vicar         6         6,949         7,053         7,263           0605104DBZ         Technical Studies, Support and G         6         29,465         29,762         30,618	. 10	0603704D8Z	Special Technical Support	ဖ			19,274	D
0603858D8Z         Transformation Initiatives Program         6         1,109         9,977           0603858D8Z         Unexploded Ordnance Detection and Clearance         6         1,109         15,336         19,691           0604774D8Z         Defense Readiness Reporting System (DRRS)         6         4,989           0604875D8Z         Joint Systems Architecture Good-10 ment Development         6         6,949         7,053         7,263           0604943D8Z         Thermal Vicar         6         6,949         7,053         7,263           0605104D8Z         Technical Studies, Support and Analysis         6         29,465         29,762         30,618	0.5	0603757D82	Training Transformation (T2)	9		2,909		Þ
0603858D8Z         Unexploded Ordnance Detection and Clearance C	03	0603835D8Z	Transformation Initiatives Program	9			716'6	
0604774D8Z         Defense Readiness Reporting         6         15,336         19,691           0604875D8Z         Joint Systems Architecture         6         4,989           0604943D8Z         Thermal Vicar         6         6,949         7,053         7,263           0605104D8Z         Technical Studies, Support and Analysis         6         29,465         29,762         30,618	04	0603858D82	Unexploded Ordnance Detection and Clearance	•	1,109		٠.	D
0604875D8Z         Joint Systems Architecture         6           Development         6,949         7,053         7,263           0604943D8Z         Thermal Vicar         6         6,949         7,053         7,263           0605104D8Z         Technical Studies, Support and Analysis         6         29,465         29,762         30,618	05	0604774D8Z	Defense Readiness Reporting System (DRRS)	ø		15,336	19, 691	n
0605104D8Z         Thermal Vicar         6         6,949         7,053         7,263           0605104D8Z         Technical Studies, Support and Analysis         6         29,465         29,762         30,618	106	0604875D8Z	Joint Systems Architecture Development	<b>o</b>			4,989	
0605104D8Z Technical Studies, Support and 6 29,465 29,762 30,618 Analysis	20	0604943D8Z	Thermal Vicar	9	6,949	7,053	7,263	
	80	0605104D8Z	Technical Studies, Support and Analysis	ø	29,465	29,762	30,618	D

NSE-WIDE	RDTEE PROGRAM	
BEEC	FY 2005	

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1 Date: FEB 2004

	Program			Thousa	Thousands of Dollars	C) E	
	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
109	0605110BR	Critical Technology Support	9	1,823	1,838	1,937 U	
110	0605114D8Z	BLACK LIGHT	ø	14,547	19,388	21,535 U	
111	0605116D8Z	General Support to C3I	. 9	21,853	25,529	D	
112	0605117D82	Foreign Material Acquisition and Exploitation	9 .	23, 422	33,421	35,572 U	
113	0605123D8Z	Interagency Export License Automation	v	862	7,718	5,882 U	
114	0605124D8Z	Defense Travel System	و	30,353	31,342	28,508 U	
115	0605126J	Joint Theater Air and Missile Defense Organization	9	74,905	85,078	86,409 U	
116	0605128D8Z	Classified Program USD(P)	. 9	186,192	145,835	D	
117	0605130D8Z	Foreign Comparative Testing		29,319	36,464	35, 633 U	·
118	0605170D8Z	Support to Networks and Information Integration	o			11,490 U	
119	0605200D8Z	<pre>General Support to USD (Intelligence)</pre>	<b>9</b>		1	4,830 U	
120	0605384BP	Chemical and Biological Defense Program	9	48,678	38,928	42,652 U	
121	0605502BR	Small Business Innovation Research	9	4,914		Þ	
1.22	0605502C	Small Business Innovative Research - MDA	<b>6</b>	138,791		<b>D</b>	•
123	0605502D8Z	Small Business Innovative Research	. ·	37,539		D.	
124	0605502E	Small Business Innovative Research		64,848		D	
125	0605710D8Z	Classified Programs - C3I	vo	75,066	41,541	D	
126	0605790D8Z	Small Business Innovation Research/Challenge Administration	9	1,965	1,997	1,999 U	
127	06057988	Defense Technology Analysis	· . • •	6, 625	5,035	7,279 U	
128	0605799D8Z	Force Transformation Directorate	9	9,416	19,388	19,591 U	

EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

	Program			Thou	Thousands of Dollars		O F
No Eine	Number	Item	Act	FY 2003	FY 2004	FY 2005	a O
129	0605801K	Defense Technical Information Services (DTIC)	9	42,963	43,494	45,203	D
130	0605803SE	R&D in Support of DoD Enlistment, Testing and Evaluation	ဖ	12,666	15,286	10,598	D
131	0605804D8Z	Development Test and Evaluation	ø,	46,944	8,808	8,882	D
132	0605898E	Management HQ - R&D	9	44,850	44,525	46,689	D
133	0303169D8Z	Information Technology Rapid Acquisition	9			19,958	D
134	0305193D8Z	Intelligence Support to Information Operations (IO)	9.			12,878	Ð
135	0305193G	Intelligence Support to Information Operations (IO)	٠				
136	09015850	Pentagon Reservation	w	7,432	14,327	13,884	D
137	0901598C	Management HQ - MDA	ø	35,331	92,449	141,923	n
138	0901598D8W	IT Software Dev Initiatives	o O		1,767	1,700	D
139	<b>з</b> 6666060	Financing for Cancelled Account Adjustments	<b>.</b>	2,000			Δ.
	RDT&E Manag	agement Support		1,000,827	769,218	711,326	
140	0604805D8Z	Commercial Operations and Support Savings Initiative	7	14,499			D
141	0605127T	Partnership for Peace (PfP) Information Management System	7	2,739	5,840	6, 995	D
142	0607384BP	Chemical and Biological Defense (Operational Systems Development)	7			2,178	D
143	0208043J	Classified Programs	1		1,448	1,663	D.
144	0208045K	C41 Interoperability	7	44,696	43,122	41,074	D
145	0208052J	Joint Analytical Model . Improvement Program	7	8,509	7,129	5,577	D
146	0300205R	Information Tachnology Systems	7	537			Ε

UNCLASSIFIED

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EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

APPROI	APPROPRIATION: 0400D	D Research, Development, Test & Eval,	, DW			Date: FEB 2004	
Line	Program			Thousand	Thousands of Dollars	ល្អ	
욅	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
147	0301011G	Cryptologic Activities	۲.				
148	0301301L	General Defense Intelligence Program	7				
149	0301318BB	HUMINT (Controlled)	7				
150	0301398L	Management HQ - GDIP	7				
151	0301555BB	CLASSIFIED PROGRAMS	7				•
152	0301556BB	SPECIAL PROGRAM	7				
153	0302016K	National Military Command System-Wide Support		1,016	1,116	1,240 U	
154	0302019K	Defense Info Infrastructure Engineering and Integration		6,802	2,423	2,517 U	
155	0303126K	Long-Haul Communications - DCS	7	1,602	1,380	11,401 U	
156	0303127K	Support of the National Communications System	. 7	4,275	·)	Þ.	
157	0303131K	Minimum Essential Emergency Communications Network (MEECN)	7	7,641	7,089	7,261 U	
158	0303140D8Z	Information Systems Security Program	7		14,576	11,135 U	
159	0303140G	Information Systems Security Program	7	473,128	477,791	477,846 U	
160	0303149J	C4I for the Warrior	7	9,466	4,139	4,177 U	
161	0303149K	C4I for the Warrior	7	19,103	36,489	24,712 U	
162	0303150K	Global Command and Control System	7	17,421	50,400	43,693 U	
163	0303153K	Joint Spectrum Center	7	15,667	16,565	18,941 U	
164	0303165K	Defense Collaboration Tool Suite (DCTS)			12,689	8,503 U	
165	0303170K	Net-Centric Enterprise Services (NCES)	7		30,364	52,059 U	

EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIGE PROGRAM

1	Program			Thouse	Thousands of Dollars		O B
N	Number	Item	Act	FY 2003	FY 2004	FY 2005	U
166	0303610K	Teleport Program	7	6,911	10,304	10,272	D
167	0304210BB	Special Applications for Contingencies	7	22,782	23,764	20,758	D
168	0304345BQ	National Imagery and Mapping Program	7				
169	0305102BQ	Defense Imagery and Mapping Program	۲ .			•	
170	0305125D8Z	Critical Infrastructure Protection (CIP)	7		2,023	. 28,021	D
171	0305127BZ	Foreign Counterintelligence Activities					
172	0305127V	Foreign Counterintelligence Activities	7	463			D
173	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7	23,035	105,462	32,939	D
174	0305146D8Z	Defense Joint Counterintelligence Program (JMIP)	7	66,500	30,312		Þ
175	0305183L	Defense Human Intelligence (HUMINT) Program (DHIP)	7				
176	0305190D8Z	C31 Intelligence Programs	7	106,672	130,178		U
177	0305191D8Z	Technology Development	7	225,789	245,536		D
178	03051936	Intelligence Support to Information Operations (IO)	7 .				
179	0305193L	Intelligence Support to Information Operations (IO)	7				
180	0305199D8Z	Net Centricity	7			214,222	D
181	0305202G	Dragon U-2 (JMIP)	7				
182	0305206G	Airborne Reconnaissance Systems	7				
183	0305207G	Manned Reconneliseance Systems	t				

DEFENSE-WIDE. FY 2005 RDIGE PROGRAM

EXHIBIT R-1

Name	T. O.	Program Element			Thousa	Thousands of Dollars	. ល ២	
0305208E Distributed Common Ground/Surface 7 5 99208E Systems 0305208E Distributed Common Ground/Surface 7 5 99208E Systems 0305883L Bard Deeply Buried Target 7 7 99208E Systems 0305883L Bard Deeply Buried Target 7 7 99208E Mational Security Space Architect 7 10,632 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1	Number	Item	Act	FY 2003	FY 2004		
0305208L         Distributed Common Ground/Surface         7           0305208L         Distributed Common Ground/Surface         7           0305803L         Hard and Deeply Burled Target         7           0305804L         Intelligence Planning and Review         7           0305804C         Tartical Cryptologic Activities         7           0305804C         Tartical Cryptologic Activities         7           03058107B         National Security Space Architect         7           03058107B         National Security Space Architect         7           03052107B         Industrial Preparedness         7           0708011S         Industrial Preparedness         7           1001018DBS         Nanagement Headquarters (JCS)         7           1001018DBS         Nanagement Headquarters (JCS)         7           1160401BB         Special Departions Technology         7           1160401BB         Special Operations Advanced         7           1160402BB         Special Operations Intelligence           1160402BB <td< td=""><td>4.</td><td>0305208BQ</td><td>Distributed Common Ground/Surface Systems</td><td>7</td><td></td><td></td><td></td><td></td></td<>	4.	0305208BQ	Distributed Common Ground/Surface Systems	7				
0305883L Hazd and Deeply Buried Target 7 Activities 0305881 Intelligence Planning and Review 7 Activities 0305884L Intelligence Planning and Review 7 Activities 0305884C Counterdrug Intelligence Support 7 10,632 (NSSA) 030581708	S	0305208G	Distributed Common Ground/Surface Systems	7				
Hard and Deeply Buried Target	186	0305208L	Distributed Common Ground/Surface Systems	7				
0305884L         Intelligence Planning and Review         7           0305885G         Tactical Cryptologic Activities         7           0305889G         Counterdrug Intelligence Support         7           030591708Z         National Security Space Architect         7         10,632           0708011S         Industrial Preparedness         7         20,741         45,871         11,005           0708012S         Logistics Support Activities         7         28,182         35,401         11,389           090228BJ         Management Headquarters (JCS)         7         20,741         45,871         11,005           1001018DBZ         NATO Joint STARS         7         28,282         28,221         22,421           1160401BB         Special Derations Technology         7         11,546         13,498         30,399           1160402BB         Special Operations Advanced         7         17,914         24,363         31,966           1160405BB         Special Operations Intelligence         7         254,842         296,825         311,966           1160407BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         Systems Development         7         3,317	7	0305883L	Hard and Deeply Buried Target (HDBT) Intel Support					
0305885G         Tactical Cryptologic Activities         7           0305889G         Counterdrug Intelligence Support         7         10,632           0305917D8Z         National Security Space Architect         7         20,741         45,871         11,005           0708011S         Industrial Preparedness         7         20,741         45,871         11,005           0708012S         Industrial Preparedness         7         20,741         45,871         11,005           0902298J         Management Headquarters (UCS)         7         16,404         28,921         22,421           1001018D8Z         NATO Joint STARS         7         16,404         28,921         22,421           1160279BB         Small Business Innovative         7         11,546         13,498         30,399           1160401BB         Special Operations Technology         7         17,914         17,914         17,914           1160404BB         Special Operations Tactical         7         17,914         254,842         259,825           1160405BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         Special Operations Intelligence         7         5,670         47,084 <td< td=""><td>80</td><td>0305884L</td><td>Intelligence Planning and Review Activities</td><td>7</td><td></td><td></td><td></td><td></td></td<>	80	0305884L	Intelligence Planning and Review Activities	7				
0305917082 National Security Space Architect 7 10,632 (NSSA) 0708011S Industrial Preparedness 7 20,741 45,871 11,005 0902298J Management Headquarters (JCS) 7 16,404 28,921 11,389 0902298J Management Headquarters (JCS) 7 16,404 28,921 11,389 0902298J Management Headquarters (JCS) 7 16,404 28,921 22,421 1001010BD8Z NATO Joint STARS 7 11,546 13,498 1160279BB Small Business Innovative Pilot Prog Into Prog I	6	0305885G	Tactical Cryptologic Activities	7				
0305917D8Z         National Security Space Architect         7         10,632           070801LS         Industrial Preparedness         7         20,741         45,871         11,005           070801LS         Logistics Support Activities         7         28,182         35,401         11,389           0902298J         Management Headquarters (JCS)         7         16,404         28,921         22,421           1001018DBZ         NATO Joint STARS         7         11,546         24,363         30,399           1160279BB         Small Business Innovative Research/Small Bus Tech Transfer         7         11,546         13,498         30,399           1160401BB         Special Operations Technology         7         17,914         28,825         311,966           1160402BB         Special Operations Tactical         7         254,842         298,825         311,966           1160405BB         Special Operations Tactical         7         6,670         47,084         25,015           1160405BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         Special Operations Intelligence         7         3,317         3,317	0	0305889G	Counterdrug Intelligence Support					
0708011S         Industrial Preparedness         7         20,741         45,871         11,005           0708012S         Logistics Support Activities         7         28,182         35,401         11,389           0902298J         Management Headquarters (JCS)         7         16,404         28,921         22,421           1001018D8Z         NATO Joint STARS         7         11,546         24,363         30,399           1160279DB         Small Business Innovative Programmer         7         11,546         13,498         30,399           116040LBB         Special Operations Technology         7         17,914         3,498         31,966           116040LBB         Special Operations Tactical         7         80,719         7         254,842         298,825         311,966           116040SBB         Special Operations Tactical         7         254,842         298,825         311,966           116040SBB         Special Operations Tactical         7         254,842         298,825         311,966           116040SBB         Special Operation Tactical         7         3,317         47,084         25,015	$\vdash$	0305917D8Z		٢	10,632		D .	
0708012S         Logistics Support Activities         7         28,182         35,401         11,389           0902298J         Management Headquarters (JCS)         7         16,404         28,921         22,421           1001018BS         NATO Joint STARS         7         11,546         13,498         30,399           1160401BB         Special Operations Technology         7         17,914         3,314         36,401           1160402BB         Special Operations Technology Development         7         80,719         298,825         311,966           1160402BB         Special Operations Tactical         7         254,842         298,825         311,966           1160405BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         Systems Development         7         3,317         3,317         3,317	7	07080118	Industrial Preparedness	7	20,741	45,871		
0902296J         Management Headquarters (JCS)         7         16,404         28,921         22,421           1001018DBZ         NATO Joint STARS         7         11,546         13,498         30,399           1160279BB         Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog         7         11,546         13,498         30,399           1160401BB         Special Operations Technology         7         17,914         7         254,842         298,825         311,966           1160402BB         Special Operations Tactical         7         254,842         298,825         311,966           1160403BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         Systems Development         7         3,317         3,317         7	m	07080128	Logistics Support Activities	7	28,182	35,401		
1001018D8Z         NATO Joint STARS         7         24,363         30,399           1160279BB         Small Business Innovative Pilot Prog         7         11,546         13,498         30,399           1160401BB         Special Operations Technology         7         17,914         7         17,914           1160402BB         Special Operations Advanced         7         80,719         311,966           1160404BB         Special Operations Tactical         7         254,842         298,825         311,966           1160405BB         Special Operations Intelligence         7         6,670         47,084         25,015           1160407BB         SOF Medical Technology Development         7         3,317         3,317	4	0902298J	Management Headquarters (JCS)	7	16,404	28,921		
1160407BB   Small Business Innovative	10	1001018D8Z	NATO Joint STARS	7		24,363		
1160401BB Special Operations Technology 7 17,914  Life0402BB Special Operations Advanced 7 80,719  Technology Development  Life0404BB Special Operations Tactical 7 254,842 298,825 311,966  Systems Development  Life0405BB Special Operations Intelligence 7 6,670 47,084 25,015  Systems Development  Life0407BB SOF Medical Technology Development 7 3,317	v	1160279BB	Innc		11,546	13,498	D	
1160402BB Special Operations Advanced 7 80,719 Technology Development 1160404BB Special Operations Tactical 7 254,842 298,825 311,966 Systems Development 1160405BB Special Operations Intelligence 7 6,670 47,084 25,015 1160407BB SOF Medical Technology Development 7 3,317	7	1160401BB	Special Operations Technology Development	. 4	17,914		D	
1160404BB Special Operations Tactical 7 254,842 298,825 311,966 Systems Development 1160405BB Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development 1160407BB SOF Medical Technology Development 7 3,317	80	1160402BB	Special Operations Advanced Technology Development	7	80,719		D	
1160405BB Special Operations Intelligence 7 6,670 47,084 25,015 Systems Development 1160407BB SOF Medical Technology Development 7 3,317	. o	1160404BB	Special Operations Tactical Systems Development	. 7	254,842	298,825		
1160407BB SOF Medical Technology Development 7 3,317	0	1160405BB	Special Operations Intelligence Systems Development	7	6,670	47,084		
	Н	1160407BB	SOF Medical Technology Development	7	3,317			

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EXHIBIT R-1

DEFENSE-WIDE FY 2005 RDIEE PROGRAM

004	o p	O	Þ		
Date: FEB 2004		FY 2005	57,643	5,060,622	20,739,837
	Thousands of Dollars	FY 2004	81,683	5,373,561	18,926,698
	Thous	FY 2003	86,902	5,045,582	17,838,715
Eval, DW		Act	7		
00D Research, Development, Test & Eval, DW	,	Item	SOF Operational Enhancements	onal Systems Development	ch, Development, Test & Eval, DW
APPROPRIATION: 040	Program	Number	202 1160408BB	Operation	Total Research
APPROF			202	·	e

FY 2005 RDIEE PROGRAM

FEB 2004

SUMMARY	I THOUSANDS)	
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	i	

Summary Recap of Budget Activities	FY 2003	FY 2004	FY 2005
Advanced Technology Development	8,571	12,804	16,295
RDT&E Management Support	231,008	289,276	288,840
Total Operational Test & Eval, Defense	239,579	302,080	305,135
Summary Recap of FYDP Programs			
Research and Development	239,579	302,080	305, 135
Total Operational Test & Eval, Defense	239,579	302,080	305,135

DEFENSE-WIDE FY 2005 RDIEE PROGRAM

APPROPRIATION: 0460D Operational Test & Eval, Defense

EXHIBIT R-1 Date: FEB 2004

Thousands of Dollars	03 FY 2004 FY 2005 C	12,804	71 12,804 16,295	19 136,168 123,562 U	72 37,006 42,390 U	91 11,721 10,209 U	104,381	289,276 288,840	
	£ 2003	3 8,571	8,571	6 124,319	6 27,472	6 15,791	6 63,426	231,008	
	I team Act	Test & Evaluation Science & Technology	Technology Development	Central Test and Evaluation Investment Development (CTEIP)	Operational Test and Evaluation	Live Fire Testing	Development Test and Evaluation	RDT&E Management Support	
Program	Number	0603941D8Z	Advanced	0604940D8Z	0605118D8Z	0605131D82	0605804D8Z	RDTEE Ma	
6	S S			04	М	4.	'n		

EXHIBIT R-1 Date: FEB 2004

Special Operations Command FY 2005 RDIGE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

ហ ផ	UI	D		D		Þ					D ·		Б	Þ	Þ	Þ	Þ.	D	D		
	FY 2005	13,109		2,162	15,271	48,803	48,803		,		20,758	23,119				311,966	25,015		57,643	394,624	481,817
Thousands of Dollars	FY 2004	19,274		5,182	24,456	105,320	105,320				23,764	23,764	13,498			298,825	47,084		81,683	441,090	594,630
Trous	FY 2003										22,782	22,782	11,546	17,914	80,719	254,842	6, 670	3,317	86,902	461,910	484,692
	Act	2		7		m ·	• (	7	7	7	7			7	۲.	7	7	7	7		
	Item	Special Operations Technology	Development	SOF Medical Technology Development	Research	Special Operations Advanced Technology Development	Advanced Technology Development (ATD)	HUMINT (Controlled)	CLASSIFIED PROGRAMS	SPECIAL PROGRAM	Special Applications for Contingencies	nal Systems Development	Small Business Innovative Research/Small Bus Tech Transfer Pilot Prog	Special Operations Technology Development	Special Operations Advanced Technology Development	Special Operations Tactical Systems Development	Special Operations Intelligence Systems Development	SOF Medical Technology Development	SOF Operational Enhancements	nal Systems Development	Total Special Operations Command
Program Element	Number	1160401BB		1160407BB	Applied Rese	1160402BB	Advanced	0301318BB	0301555BB	0301556BB	0304210BB	Operational	1160279BB	1160401BB	1160402BB	1160404BB	1160405BB	1160407BB	1160408BB	Operational	otal Special
Line	일	22		23		57		149	151	152	167		196	197	198	199	200	201	202		H

# Defense Contract Management Agency FY 2005 RDIES PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D		Research, Development, Test & Eval, DW	1, DW			Date: FEB 2004
Program				Thouse	Thousands of Dollars	
	H	Item	Act	FY 2003	FY 2004	FY 2005
0605013BL	Information	Information Technology Development	ß	3,858	10,498	10,683
0605015BL	Information Development- System (SPS)	Information Technology Development-Standard Procurement System (SPS)	ιn	10,482	5,140	069 '9
stem De	velopment a	System Development and Demonstration (SDD)		14,340	15,638	17,373
efense (	Contract Man	Total Defense Contract Management Agency		14,340	15,638	17,373

# Chemical and Biological Defense Program FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

# National Geospatial Intelligence Agency FY 2005 RDTeE PROGRAM

EXHIBIT R-1

Item National Imagery and Mapping 7 Program Defense Imagery and Mapping 7 Program	Number	Program Element		:	Thou	Thousands of Dollars	. , ,1	ω F
		Lil.		Act	FY 2003	FY 2004	FY 2005	i Ol
169 0305102BQ Defense Imagery and Mapping 7 Program	168 030434		ional Imagery and Mapping	Ļ				
	030510		ense Imagery and Mapping ogram	7		•		
184 0305208BQ Distributed Common Ground/Surface 7 Systems			itributed Common Ground/Surface	7				

Total National Geospatial Intelligence Agency

### Defense Threat Reduction Agency FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1 Date: FEB 2004

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	FY 2005	249,786	116,113	. 365,899	74,456		74,456	1,937		1,937	442,292
Thousands of Dollars	FY 2004	184,109	.115,497	299,606	90,338	6,438	96,776	1,838		1,838	398,220
Thousa	FY 2003	228,827	115,681	344,508	105,164	42,023	147,187	1,823	4,914	6,737	498,432
	Act	7	7		<b>რ</b> .	ო		<b>.</b>	9		
	Item	WMD Defeat Technology	WMD Defense Technologies	tesearch	Counterproliferation Initiatives - Proliferation Prevention and Defeat	Arms Control Technology	Advanced Technology Development (ATD)	Critical Technology Support	Small Business Innovation Research	RDT&E Management Support	Total Defense Threat Reduction Agency
Program	Number	0602716BR	0602717BR	Applied Res	0603160BR	0603711BR	Advanced	0605110BR	0605502BR	RDTEE MAI	otal Defense
i.i.	SI SI	. 18	19		28	36		109	121		Ħ

# Counter Intelligence Field Activity FY 2005 RDIGE PROGRAM

EXHIBIT R-1

9				Thous	Thousands of Dollars	
N S	Number	Item	Act	FY 2003	FY 2004	FY 2005 C
171	0305127BZ	Foreign Counterintelligence Activities	7			
173	0305146BZ	Defense Joint Counterintelligence Program (JMIP)	7	23,035	105,462	32,939 · U
	Operational	nal Systems Development				

Total Counter Intelligence Field Activity

## Missile Defense Agency FY 2005 RDIEE PROGRAM

EXHIBIT R-1

Minimper   Team		Program			Thous	Thousands of Dollars		O) P
### Ballistic Missile Defense 3 151,217 225,268  Technology Pevalogment (ATD) 151,217 225,268  Madads Concepts. Evaluations 4 101,754 149,993  Advanced Concepts, Evaluations 4 1,026,566  Ballistic Missile Defense Segment  Ballistic Missile Defense Boost 4 3,056,035 3,724,066  Midcourse Defense Segment  Ballistic Missile Defense Sensors 4 327,013 425,421  Ballistic Missile Defense Sensors 4 327,013 425,421  Ballistic Missile Defense Sersen 4 455,421  Ballistic Missile Defense Products 4 327,013 425,421  Ballistic Missile Defense Products 4 327,013 425,421  Ballistic Missile Defense Products 4 365,309  Ballistic Missile Defense Systems 4 445,356  Core  Cod Component Devalogment & Prototypes 5,351,104 7,283,443  Theater High-Altitude Area 5,351,104 7,283,443  Theater High-Altitude Area 5 664,216  Patriot Pha-3 Theater Missile Sensors 5,351,100 7,283,443	No	Number		Act	FY 2003	FY 2004	FY 2005	101
Advanced Technology Development (ATD)  0603869C Meads Concepts, Evaluations 4 101,754 149,993  0603880C Ballistic Missile Defense System 4 1,026,566  0603881C Ballistic Missile Defense Soment  0603883C Ballistic Missile Defense Boost 4 3,056,035 3,724,066  Midcourse Defense Segment  0603884C Ballistic Missile Defense Boost 4 327,013 425,421  060388C Ballistic Missile Defense Sensors 4 327,013 425,421  060388C Ballistic Missile Defense System 4 327,013 425,421  060388C Ballistic Missile Defense System 4 327,013 425,421  060388C Ballistic Missile Defense System 5 305,309  060388C Ballistic Missile Defense System 7 705,643 305,309  060388C Ballistic Missile Defense System 7 705,643 633,782  060388C Ballistic Missile Defense System 7 705,643 633,782  060388C Ballistic Missile Defense System 7 705,643 633,782  060388C Ballistic Missile Defense System 7 705,643 77,293,443  060388C Ballistic Missile Defense System 8 864,216  060388C Ballistic Missile Defense System 8 864,216  060486C Patriote PAC-3 Theater Missile 5 864,216		0603175C	Ballistic Missile Defense Technology	ო	151,217	225,268	204,320	Ω
0603889C         Advanced Concepts, Evaluations         4         101,754         149,993           0603880C         Ballistic Missile Defense System         4         1,026,566         149,993           0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603881C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066           0603882C         Ballistic Missile Defense Segment         4         705,643         617,270           0603884C         Ballistic Missile Defense Sensors         4         327,013         425,421           060388C         Ballistic Missile Defense System         4         327,013         425,421           060388C         Ballistic Missile Defense Products         4         327,013         425,421           060388C         Ballistic Missile Defense Systems         4         327,013         425,421           060388C         Ballistic Missile Defense Systems         4         305,309           060388C         Ballistic Missile Defense Systems         4         445,356           060388C         Ballistic Missile Defense Systems         4         7,293,443           060388C         Ballistic Missile Defense System         5,351,104         7,293,443			Technology Development (ATD)		151,217	225,268	204,320	
06038979C         Advanced Concepts, Evaluations         4         1,026,566         149,993           060389C         Ballistic Missile Defense System         4         1,026,566         874,527           060389LC         Ballistic Missile Defense Segment         4         3,056,035         874,527           0603882C         Ballistic Missile Defense Boost         4         3,056,035         3,724,066           0603884C         Ballistic Missile Defense Segment         4         327,013         425,421           0603886C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Froducts         4         305,309           0603886C         Ballistic Missile Defense Froducts         4         305,309           0603886C         Ballistic Missile Defense Froducts         4         327,013         425,421           060388C         Ballistic Missile Defense Systems         4         305,309           060388C         Ballistic Missile Defense Systems         4         327,013         445,356		D698E090	Meads Concepts	4	101,754			D
0603880C         Ballistic Missile Defense System         4         1,026,566           0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066           0603883C         Ballistic Missile Defense Sensors         4         705,643         617,270           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Products         4         33,782           0603889C         Ballistic Missile Defense Products         4         445,356           0603899C         Ballistic Missile Defense Systems         4         305,309           060389C         Ballistic Missile Defense Systems         4         7,293,443           060389C         Ballistic Missile Defense Systems         4         445,356           060389C         Ballistic Missile Defense Systems         4         7,293,443           060389C         Ballistic Missile Defense System         5,351,104         7,293,443		0603879C	Advanced Concepts, Evaluations And Systems	4.		149, 993	256,159	n
0603881C         Ballistic Missile Defense Segment         4         134,093         874,527           0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066           0603883C         Ballistic Missile Defense Sensors         4         705,643         617,270           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         327,013         425,421           0603886C         Ballistic Missile Defense Froducts         4         305,309           0603889C         Ballistic Missile Defense Systems         4         305,309           0603890C         Ballistic Missile Defense Systems         4         7,293,443           060486C         Ballistic Missile Defense Systems         4         7,293,443           060486C         Theater High-Allitude Area         5,351,104         7,293,443           060486C         Patriot PAC-3 Theater Missile         5         138,922		0603880C	Ballistic Missile Defense System Segment	4	1,026,566			D
0603882C         Ballistic Missile Defense Segment         4         3,056,035         3,724,066           0603883C         Ballistic Missile Defense Segment         4         705,643         617,270           0603884C         Ballistic Missile Defense Snsors         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         533,782           0603889C         Ballistic Missile Defense Products         4         305,309           0603889C         Ballistic Missile Defense Systems         4         305,309           0603889C         Ballistic Missile Defense Systems         4         445,356           0603889C         Ballistic Missile Defense Systems         4         305,309           0603889C         Ballistic Missile Defense System         5,351,104         7,293,443           0604861C         Theater High-Allitude Area         5         864,216           0604865C         Patriot PAC-3 Theater Missile S         5         138,922		0603881C	Ballistic Missile Defense Terminal Defense Segment	4	134,093	874,527	937,748	D
0603884C         Ballistic Missile Defense Boost         4         705,643         617,270           0603884C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         117,719           0603889C         Ballistic Missile Defense Products         4         335,309           060389C         Ballistic Missile Defense Systems         4         445,356           060389C         Ballistic Missile Defense Systems         4         7,293,443           0604861C         Theater High-Altitude Area         5,351,104         7,293,443           0604861C         Theater High-Altitude Area         5         864,216           Defense System - TMD         5         138,922           0604865C         Patriot PAC-3 Theater Missile         5         138,922		0603882C	llistic Missile dcourse Defense	4	3,056,035	3,724,066	4,384,775	D .
0603886C         Ballistic Missile Defense System         4         327,013         425,421           0603886C         Ballistic Missile Defense Test & 4         4         117,719           0603888C         Ballistic Missile Defense Test & 4         633,782           0603889C         Ballistic Missile Defense Products & 4         305,309           0603890C         Ballistic Missile Defense Systems & 4         445,356           0604861C         Theater High-Altitude Area Defense System - TMD         5,351,104         7,293,443           0604865C         Patriot PAC-3 Theater Missile Defense Acquisition         5         138,922		0603883C	Ballistic Missile Defense Boost Defense Segment	4	705, 643	617,270	492,614	. Þ
0603886C Ballistic Missile Defense System 4 Interceptor  0603888C Ballistic Missile Defense Test & 4 Targets 0603890C Ballistic Missile Defense Products 4 0603890C Ballistic Missile Defense Systems 4 Advanced Component Development & Prototypes 0604861C Theater High-Altitude Area 5,351,104 0604865C Patriot PAC-3 Theater Missile 5 138,922 Defense Acquisition 0603898C 117,719 117,719 117,719		0603884C	Ballistic Missile Defense Sensors	4,	327,013	425,421	591,957	D
0603888C Ballistic Missile Defense Test & 4  Targets 0603889C Ballistic Missile Defense Products 4  0603890C Ballistic Missile Defense Systems 4  Advanced Component Development & Prototypes 0604861C Theater High-Altitude Area 5,351,104  0604865C Patriot PAC-3 Theater Missile 5 138,922  Defense Acquisition  0604865C Patriot PAC-3 Theater Missile 5 138,922		0603886C	Ballistic Missile Defense System Interceptor	ব		117,719	511,262	D
0603890C Ballistic Missile Defense Products 4  0603890C Ballistic Missile Defense Systems 4  Advanced Component Development & Prototypes  0604861C Theater High-Altitude Area 5 864,216  Defense System - TMD  0604865C Patriot PAC-3 Theater Missile 5 138,922  Defense Acquisition		0603888C	Ballistic Missile Defense Test & Targets	4		633,782	713,658	Þ.
0603890C Ballistic Missile Defense Systems 4  Advanced Component Development & Prototypes  0604861C Theater High-Altitude Area 5 864,216  Defense System - TMD  0604865C Patriot PAC-3 Theater Missile 5 138,922  Defense Acquisition		06038890	Ballistic Missile Defense Products	4		305,309	418,608	D
Advanced Component Development & Prototypes 5,351,104 7,293,443  0604861C Theater High-Altitude Area 5 864,216  Defense System - TMD  0604865C Patriot PAC-3 Theater Missile 5 138,922  Defense Acquisition	1	0603890C	Ballistic Missile Defense Systems Core	4		445,356	479,764	D
0604865C Theater High-Altitude Area 5 Defense System - TMD 0604865C Patriot PAC-3 Theater Missile 5 Defense Acquisition		Advanced	Component Development & Prototypes		5,351,104	7,293,443	8,786,545	
0604865C Patriot PAC-3 Theater Missile 5 Defense Acquisition		0604861C		S	864,216			Þ
		0604865C		r)	138,922			Þ

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		A.B.	FY 2005 RDIEE PROGRAM	ROGRAM		EXHIBIT R-
APPRO	PRIATION:	APPROPRIATION: 0400D Research, Development, Test & Eval, DW	E Eval, DW			Date: FEB 200
	Program			Thous	Thousands of Dollars	٠
No.	Number	Item	Act	FY 2003	FY 2004	FY 2005
122	0605502C	Small Business Innovative Research - MDA	Ŕ	138, 791		
	RDTE	RDTEE Management Support		138,791		
136	0901585C	Pentagon Reservation	6	7,432	14,327	13,884
137	0901598C	. Management HQ - MDA	9	35, 331	92,449	141,923
	RDTEE	RDTEE Management Support		42,763	106,776	155,807
	Total Miss	Total Missile Defense Agency		6,687,013	7,625,487	9,146,672

## Office of Secretary Of Defense FY 2005 RDIGE PROGRAM

EXHIBIT R-1

Fest & Eval. DW

	Program			Thous	Thousands of Dollars		U,
No	Number	Item	Act	FY 2003	FY 2004	FY 2005	a 01
H	0601101D8Z	In-House Laboratory Independent Research	г <del>-</del> I	2,044			Þ.
m	0601103D8Z	University Research Initiatives	н	. 232, 653			D
4	0601105D8Z	Force Health Protection	1	14,156			D
r.	0601108D82	High Energy Laser Research Initiatives	н	11,355			D
9	0601111D82	Government/Industry Cosponsorship of University Research	Н	8,240	969.69		D
7	0601114D8Z	Defense Experimental Program to Stimulate Competitive Research	н	15,197	9,578	9, 590	D
	Basic Research	search		283,645	16,274	065'6	
a	0602227D8Z	Medical Free Electron Laser	7	11,609	18,518	9, 668	D
10	0602228D8Z	Historically Black Colleges and Universities (HBCU) Science	.2	25,306	20,651	14,192	D.
11	0602234D8Z	Lincoln Laboratory Research Program	64	26,056	26,830	25,441	D
20	0602787D8Z	Medical Technology	7	6,100	11,641	10,084	D
21	0602890D8Z	High Energy Laser Research	7	42,791			D
	Applied Research	Research		111,862	77,640	59,385	
24	0603002D8Z	Medical Advanced Technology	m		5,941	2,063	D
25	0603104D8Z	Explosives Demilitarization Technology	en .	17,494			D
26	0603121D82	SO/LIC Advanced Development	, m	18,495	33,605	32,682	D
27	0603122D8Z	Combating Terrorism Technology Support	ю	114,374	97,291	46,719	D
30	0603225D8Z	Joint DoD-DoE Munitions Technology Development	ю	18,124	24,648	23, 319	D
31	0603232D87	Support to Boses to the support to					-

### Office of Secretary Of Defense FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Element	T them	100	2000	Poc 2004	2005	MC
Number	Trem	Act	FT 2003	F. Z 2004	FY ZUUD	וכ
0603400D8Z	Joint Unmanned Combat Air Systems (J-UCAS) Advanced Technology Development and R.	m		7 . I	284,617	D
0603704D8Z	Special Technical Support	ო	12,878	13,495		D
0603716D8Z	Strategic Environmental Research Program	m	50,938	49,883	56,936	D
0603727D8Z	Joint Warfighting Program	m	8,850	10,284	9,936	D
0603750D82	Advanced Concept Technology Demonstrations	m	195,136	218,167	213,901	D
0603755D82	High Performance Computing Modernization Program	m	185,221	202,492	186,666	D
0603781D8Z	Software Engineering Institute	'n	21,535	22,324	21,599	. Þ
0603826D82	Ouick Reaction Special Projects	en	24,076	46,566	64,389	Þ.
0603832D8Z	Joint Wargaming Simulation Management Office	ო	45,835	41,735	46,017	D
0603924D8Z	High Energy Laser Advanced Technology Program	m	12,793			D
0603942D8Z	Technology Link	ю		3,547	1,934	D
0605160D8Z	Counterproliferation Support	'n	1,683	1,851	1,958	D
Advanced	Technology Development (ATD)		731,835	771,829	992,736	
0603228D8Z	Physical Security Equipment	. 4h	46,872	1,183		D
0603709D8z	Joint Robotics Program.	4	19,235	15,784	11,771	D
0603714D8Z	Advanced Sensor Applications Program	. <b>4</b>	16,914.	32,983	17,581	D
0603736D8Z	CALS Initiative	4	7,362			D
0603851D8Z	Environmental Security Technical Certification Program	4	20,091	35,191	32,546	D.
0603910D8Z	Strategic Capability Modernies					:

# \*Office of Secretary Of Defense FY 2005 RDIEE PROGRAM

D EXHIBIT R-1 Date: FEB 2004 6,679 7,472 9,977 422,873 13,845 18,515 94,767 FY 2005 13,747 5,886 6,679 14,135 141,262 7,472 19,274 27,351 531,755 Thousands of Dollars 14,944 2,958 45,098 2,909 13,108 21,381 10,478 79,915 4,480 FY 2004 987 5,822 105,058 14,944 4,480 8,889 FY 2003 12,627 6,545 961 27,326 10,122 1,109 150,068 10,063 10,063 113,528 67,191 APPROPRIATION: 0400D Research, Development, Test & Eval, DW Act Transformation Initiatives Program Joint Unmanned Combat Air Systems (J-UCAS) Advanced Component and Component Development & Prototypes Unexploded Ordnance Detection and Reduction Of Total Ownership Cost Component Development & Prototypes Joint Electromagnetic Technology (JET) Program System Development and Demonstration (SDD) System Development and Demonstration (SDD) Joint Service Education and Training Systems Development Prototype Accounting Systems Training Transformation (T2) Financial Management System Distribution System (JTIDS) BMMP Domain Management and Systems Integration Joint Tactical Information Special Technical Support. MANPADS Defense Program Joint Robotics Program Humanitarian Demining Coalition Warfare Prototype Deve Item Improvements Clearance Advanced Advanced 0603920D8Z 0604709082 0603923D8Z 0303191D82 0604618D8Z 0901200D8Z 0603704D8Z 0603835D8Z 0603858D8Z 0605017082 0604771D8Z 0605013D8Z 0603757D8Z 0604722D8Z 0605016D8Z 0604400D8Z Element Program Number 19 93 100 102 103 104 78 80 81 83 84 86 90 101

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Office of Secretary Of Defense FY 2005 RDIEE PROGRAM

EXHIBIT R-1

9	Program			Thousa	Thousands of Dollars		on pa	
	Number	Item	Act	FY 2003	FY 2004	FY 2005	101	
105	0604774D8Z	Defense Readiness Reporting System (DRRS)	w		15,336	19,691	D	
. 901	0604875D8Z	Joint Systems Architecture Development	9			4,989	Þ	
107	0604943D8Z	Thermal Vicar	ဖ	6,949	7,053	7,263	D	
108	0605104D8Z	Technical Studies, Support and Analysis	ø	29,465	29,762	30,618	D	
110	0605114D8Z	BLACK LIGHT	•	14,547	19,388	21,535	D	
111	0605116D8Z	General Support to C31	ø	21,853	25,529		Ω	
112	0605117D82	Foreign Material Acquisition and Exploitation	vo	23,422	33,421	35, 572	D	
113	0605123D8Z	Interagency Export License Automation	ω	862	7,718	5,882	Þ	
114	0605124D8Z	Defense Travel System	9	30,353	31,342	28,508	Ω	
116	0605128D8Z	Classified Program USD(P)	. 6	186,192	145,835		D	
117	0605130D8Z	Foreign Comparative Testing	9	29,319	36,464	35, 633	D.	
118	0605170D82	Support to Networks and Information Integration	v .		•	11,490	Þ	
119	0605200D8Z	General Support to USD (Intelligence)	v.			4,830	D	
123	0605502D8Z	Small Business Innovative Research	9	37,539			Ω	
125	0605710D8Z	Classified Programs - C3I	9	75,066	41,541		Ω	
126	0605790D8Z	Small Business Innovation Research/Challenge Administration	9	1,965	1,997	1,999	Đ	
128	0605799082	Force Transformation Directorate	9	9,416	. 19,388	19,591	D	
131	0605804D8Z	Development Test and Evaluation	9	46,944	8,808	8,882	Ω	
	RDTEE Mai	RDT&E Management Support		515,001	426,491	265,734		

# Office of Secretary Of Defense FY 2005 RDIEE PROGRAM

EXHIBIT R-1

### Defense Adv Research Projects Aggy FY 2005 RDIGE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

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EXHIBIT R-1
Date: FEB 2004

63,121 225,784 238,131 125,124 46,689 361,067 218,151 1,568,495 FY 2005 143,729 147,533 339,175 502,044 1,331,366 337,117 46,689 143,729 342,614 Thousands of Dollars 44,525 139,434 334,696 149,105 247,405 465,450 1,209,906 315,941 186,748 193,562 336,658 81,513 218,192 91,226 1,437,591 44,525 FY 2004 139,434 13,250 13,751 54,870 FY 2003 171,383 171,383 390,607 157,861 168,826 242,095 158,847 115,654 216,052 26,164 164,634 261,851 1,185,297 64,848 44,850 109,698 414,437 1,186,601 Act Network-Centric Warfare Technology Small Business Innovative Research Advanced Electronics Technologies Embedded Software and Pervasive Computing Sensor and Guidance Technology Advanced Technology Development (ATD) Biological Warfare Defense Advanced Aerospace Systems Materials and Electronics Technology Classified DARPA Programs Defense Research Sciences Computing Systems and Communications Technology Land Warfare Technology Communications Systems Command, Control and Management HQ - R&D Tactical Technology Marine Technology RDT&E Management Support Item Applied Research Basic Research 0601101E 0605898E 0602712E 0603285E 0603763E 0603764E 0603765E 0603766E 0605502E 0602301E 0602302E 0602383E 0602702E 0603739E 0603760E 0603762E Program Element Number 47 46 124 132 48 Line 12 13 14 16 11 32 40 43 44 45

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PPROPRIATION: 0400D Res					
	PROPRIATION: 0400D Research, Development, Test & Eval, DW	II, DW			Date: FEB 200
			Thous	Thousands of Dollars	
No Number	Item	Act	FY 2003	FY 2004	FY 2005
139 0909999E Final	Financing for Cancelled Account Adjustments	v	2,000		
RDT&E Management Support	Support		2,000		
Total Defense Adv Research Projects Agcy	earch Projects Agcy	,	2,654,979	2,831,456	3,090,279

Date: FEB 2004 EXHIBIT R-1

National Security Agency FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

	Program Element			Thou	Thousands of Dollars	ល់គា	
A1	Number	Item	Act	FY 2003	FY 2004	FY 2005 C	
_	0305193G	Intelligence Support to Information Operations (IO)	•				
	RDT&E M	RDT&E Management Support			9 1 1 1 1 1 1 1		
147	0301011G	Cryptologic Activities	7	•			
_	0303140G	Information Systems Security Program	7	473,128	477,791	477,846 U	<u></u>
	0305193G	Intelligence Support to Information Operations (IO)	7				
_	0305202G	Dragon U-2 (JMIP)	7	•			
_	0305206G	Airborne Reconnaissance Systems	7				
	03052076	Manned Reconnaissance Systems	7				
	0305208G	Distributed Common Ground/Surface Systems	7				
	0305885G	Tactical Cryptologic Activities	7				
_	0305889G	Counterdrug Intelligence Support	7	1			
	Operation	Operational Systems Development					

Total National Security Agency

### The Joint Staff FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

O E	ı oı	Þ		D	D		n		Þ		
	FY 2005	86, 409	86,409	1,663	5,577	7,240	4,177	4,177	22, 421	22,421	120,247
Thousands of Dollars	FY 2004	85,078	85,078	1,448	7,129	8,577	4,139	4,139	28,921	28,921	126,715
Thousa	FY 2003	74,905	74,905		8,509	8,509	9,466	9,466	16,404	16,404	109,284
	Act	٠ •		7	. <i>L</i>		7		7		
	Item	Joint Theater Air and Missile Defense Organization	RDT&E Management Support	Classified Programs	Joint Analytical Model Improvement Program	Operational Systems Development	C4I for the Warrior	Operational Systems Development	Management Headquarters (JCS)	Operational Systems Development	int Staff
Program	Number	0605126J	RDT &E M	0208043J	0208052J	Operatio	0303149J	Operatio	0902298J	Operation	Total The Joint Staff
	S S	115		143	145		160		194		į.

# Defense Information Systems Agency FY 2005 RDIEE PROGRAM

EXHIBIT R-1 Date: FEB 2004

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

5         25,480         16,673         18,183           5         25,480         16,673         18,183           5         11,279         9,662         6,623           5         18,005         6,688         2,493           6         42,963         43,494         45,203           7         44,696         43,494         45,203           7         44,696         43,424         45,203           7         1,016         1,116         1,240           7         4,275         2,423         2,517           7         4,275         2,040         43,699           7         4,275         2,089         7,261           7         1,1421         36,489         24,712           7         1,4275         2,040         43,699           7         1,421         36,489         24,712           7         1,421         36,489         24,712           7         1,421         36,489         24,712           8         1,4275         36,489         24,712           9         1,421         36,489         24,712           1         1,421         36,489         <				Thous	Thousands of Dollars		O M
ratices Joint         5         25,480         16,673         18,183           menostration (SDD)         25,480         16,673         18,183           stems Security         5         11,279         9,662         6,623           stems Security         5         18,005         6,688         2,493           Support System         5         16,709         16,396         17,867           and Control Program         5         24,165         7,137         3,466           monstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           sility         7         44,696         43,122         41,074           copert         1,016         1,116         1,240           sport         1,016         1,116         1,240           sport         1,116         1,116         1,240           sport         1,602         2,423         2,517           System         35,489         24,712           strior         1,602         1,380         11,401           National         7         6,802         2,423         2,517           Sys		Item	Act	FY 2003	FY 2004	FY 2005	OI
monostration (SDD)         25,460         16,673         18,183           e System         5         11,279         9,662         6,623           stems Security         5         16,709         16,396         2,493           Support System         5         24,165         7,137         3,466           and Control Program         5         24,165         7,137         3,466           amonstration (SDD)         70,188         39,883         33,469           cal Information         6         42,963         43,494         45,203           cal Information         7         44,696         43,122         41,074           copert         1,016         1,116         1,240           copert         1,016         1,116         1,240           spott         1,016         1,116         1,240           spott         1,016         1,242         2,517           system         1,602         2,423         2,517           system         36,489         7,261           nal Emergency         7         7,641         7,261           netcontrol System         7         19,103         36,489         24,712           conter		Advanced IT Services Joint Program Office (AITS-JPO)	ru .	25,480	16,673	18,183	D
System         5         11,279         9,662         6,623           Stems Security         5         18,005         6,688         2,493           Support System         5         16,709         16,396         17,867           and Control Program         5         24,165         7,137         3,466           monstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           cal Information         6         42,963         43,494         45,203           cal Information         7         44,696         43,122         41,074           copert         1,016         1,116         1,240           port         1,106         1,1380         11,401           mications - DCs         7         6,802         2,423         2,517           National         7         6,802         2,423         2,517           System         31,489         7,261         1,401           National         7         6,427         36,489         24,712           System         7         10,43         36,489         24,712           crior         7	Ã	System Development and Demonstration (SDD)		25,480	16,673	18,183	
stems Security         5         18,005         6,688         2,493           Support System         5         16,709         16,396         17,867           and Control Program         5         24,165         7,137         3,466           amonstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           callity         7         44,696         43,122         41,074           copment         44,696         43,122         41,074           copert         1,016         1,116         1,240           sport         1,106         1,1380         11,401           nications - DCs         7         1,602         2,423         2,517           National         7         4,275         2,423         7,261           System         7         1,602         1,380         11,401           network (MERCN)         7         7,641         7,261           system         7         19,103         36,489         24,712           conter         7         15,667         16,565         18,941		Defense Message System	ις	11,279	9,662	6,623	D
Support System         5         16,709         16,396         17,867           and Control Program         5         24,165         7,137         3,466           monstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           cal Information         7         44,696         43,122         41,074           comment         7         44,696         43,122         41,074           comment         7         44,696         43,122         41,074           comment         7         1,016         1,116         1,240           continications - DCS         7         4,275         2,423         2,517           system         35,489         7,641         7,089         7,261           Network (MEECN)         7         6,802         2,423         24,712           System         36,489         24,712           cinc         4,275         36,489         24,712           cinc         7         17,421         50,400         43,693           conter         7         17,421         50,400         43,693		Information Systems Security Program	ιΩ	18,005	6, 688	2,493	Ω
and Control Program         5         24,165         7,137         3,466           mence         5         24,165         7,137         3,466           monstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           cal Information         7         44,696         43,122         41,074           Lopment         4,696         43,122         41,074           Lyport         1,016         1,116         1,240           Poport         1,602         1,380         11,401           National         7         4,275         2,423         2,517           System         36,489         7,089         7,261           Network (MEECN)         7         6,802         2,423         2,517           Network (MEECN)         7         6,802         2,423         2,517           substrance         7         1,602         1,380         11,401           National         7         6,802         2,423         2,517           system         36,489         24,712           and Control System         7         11,421         50,400         43,693		Global Combat Support System	2	16,709	16,396	17,867	Ω
merce         5         24,165         7,137         3,466           amonstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           cal Information         7         44,696         43,494         45,203           coliity         7         44,696         43,122         41,074           ary Command         7         1,016         1,116         1,240           copert         7         6,802         2,423         2,517           incations - DCs         7         4,275         2,423         2,517           nuications - DCs         7         4,275         2,423         2,517           National         7         4,275         2,423         2,517           National         7         4,275         2,423         2,517           Network (MEBCN)         7,641         7,089         24,712           sud Control System         7         19,103         36,489         24,712           center         7         15,667         16,565         18,941		Joint Command and Control Program (JC2)				3,000	D
monstration (SDD)         70,158         39,883         33,449           cal Information         6         42,963         43,494         45,203           cality         7         44,696         43,122         41,074           command         7         44,696         43,122         41,074           command         7         1,016         1,116         1,240           control sport         7         6,802         2,423         2,517           incations - DCS         7         1,602         1,380         11,401           National         7         4,275         7,089         7,261           Network (MEECN)         7         19,103         36,489         24,712           and Control System         7         17,421         50,400         43,693           center         7         15,667         16,565         18,941		Electronic Commerce	ß	24,165.	7,137	3,466	D
1   Information   6   42,963   43,494   45,203	De	relopment and Demonstration (SDD)		70,158	39,883	33,449	
1, 10   1, 10   1, 10   1, 10   1, 10   1, 10   1, 24   1, 074		Defense Technical Information Services (DTIC)	9	42,963	43,494	45, 203	D
Interoperability  stems Development  44,696  43,122  41,074  44,696  A3,122  41,074  41,074  A3,122  41,074  A3,122  41,074  A1,016  A3,122  41,074  A1,074  A	Š	gement Support		42,963	43,494	45,203	
stems Development         44,696         43,122         41,074           onal Military Command         7         1,016         1,116         1,240           em-Wide Support         7         6,802         2,423         2,517           neering and Integration         7         1,602         1,380         11,401           Haul Communications - DCS         7         4,275         11,401           out of the National unications System         7         641         7,089         7,261           unications Network (MEECN)         7         19,103         36,489         24,712           for the Warrior         7         17,421         50,400         43,693           t Spectrum Center         7         15,667         16,565         18,941			7	44,696	43,122	41,074	D
DCS 7 1,016 1,116 1,240  DCS 7 1,602 2,423 2,517  7 4,275 1,380 11,401  CN) 7 7,641 7,089 7,261  System 7 17,421 50,400 43,693  7 15,667 16,565 18,941	ona	1 Systems Development		44,696	43,122	41,074	
DCS 7 6,802 2,423 2,517  DCS 7 1,602 1,380 11,401  4,275 7,641 7,089 7,261  N) 7 7,641 7,089 24,712  System 7 17,421 50,400 43,693  7 15,667 16,565 18,941		National Military Command System-Wide Support	7	1,016	1,116	1,240	D
DCS 7 1,602 1,380 11,401 7 4,275 CN) 7,641 7,089 7,261 7 19,103 36,489 24,712 System 7 17,421 50,400 43,693 7 15,667 16,565 18,941		Defense Info Infrastructure Engineering and Integration	7	6,802	2,423	2,517	Ω
7 4,275 CN) 7 7,641 7,089 7,261 7 19,103 36,489 24,712 System 7 17,421 50,400 43,693 7 15,667 16,565 18,941			. 7	. 1,602	1,380	11,401	D
CN) 7 7,641 7,089 7,261 7 19,103 36,489 24,712 System 7 17,421 50,400 43,693 7 15,667 16,565 18,941		Support of the National Communications System	7	4,275			D
for the Warrior       7       19,103       36,489       24,712         bal Command and Control System       7       17,421       50,400       43,693         it Spectrum Center       7       15,667       16,565       18,941	•	Minimum Essential Emergency Communications Network (MEECN)	7	7,641	7,089	7,261	Þ
Command and Control System 7			7	19,103	36,489	24,712	D
Spectrum Center 7 15,667 16,565 18,941		Global Command and Control System	7	17,421	50,400	43, 693	D
			7	15,667	16,565	18,941	D

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### Defense Information Systems Agency FY 2005 RDT&E PROGRAM

EXHIBIT R-1

ROE	PRIATION:	0400D Research,	PPROPRIATION: 0400D Research, Development, Test & Eval, DW	AT, DW			Date: FEB 2004	04
No	Program Element Number		Item	Act	Thouse	Thousands of Dollars	FY 2005	o Ħ Ol
164	0303165K		Defense Collaboration Tool Suite (DCTS)	٢		12,689	8,503	D
165	0303170K		Net-Centric Enterprise Services (NCES)	7	. (	30,364	52,059	D
166	0303610K	Teleport Program	Program	7	6,911	10,304	10,272	Ω
	Opera	Operational Systems Development	Development		80,438	168,819	180,599	
-	Total Defense		Information Systems Agency		263,735	311,991	318,508	

Date: FEB 2004 Defense Intelligence Agency FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

EXHIBIT R-1

, ·	FY 2005								
Thousands of Dollars	FY 2004								
Thousa	FY 2003								
	Act		7	7	۲ .	7	7	7	
	Item	General Defense Intelligence Program	Management HQ - GDIP	Defense Human Intelligence (HUMINT) Program (DHIP)	Intelligence Support to Information Operations (IO)	Distributed Common Ground/Surface Systems.	Hard and Deeply Buried Target (HDBT) Intel Support	Intelligence Planning and Review Activities	Operational Systems Development
Program	Number	0301301L	0301398L	0305183L	0305193L	0305208L	0305883L	0305884L	Operatio
Line	욁	148	150	175	179	186	187	188	

Total Defense Intelligence Agency

## Defense Contract Audit Agency FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004 FY 2005 Thousands of Dollars FY 2004 FY 2003 537 537 537 APPROPRIATION: 0400D Research, Development, Test & Eval, DW Act Information Technology Systems Operational Systems Development Total Defense Contract Audit Agency Item 146, 0300205R Program Element Number Line

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#### Defense Logistics Agency FY 2005 RDT4E PROGRAM

EXHIBIT R-1

104	on pa		D,	Ð		D		D		Þ	Þ		
Date: FEB 2004		FY 2005	27,542	•	27,542	2,345	2,345	7,279	7,279	11,005	11,389	22,394	29,560
	Thousands of Dollars	FY 2004	123,111	3,710	126,821	2,335	2,335	5,035	5,035	45,871	35,401	81,272	215,463
	Tho	FY 2003	130,577	5,750	136,327	1		6, 625	6,625	20,741	28,182	48,923	191,875
al, DW		Act	m	m		ιΩ		9		7	1		
evelopment, Test & Ev		•	R&D Technology	on Programs	ent (ATD)		ration (SDD)	alysis		. 88	civities		•
400D Research, De		Item	Generic Logistics R&D Technology Demonstrations	Dual Use Application Programs	ed Technology Developm	Electronic Commerce	Development and Demonst	Defense Technology Analysis	Management Support	Industrial Preparedness	Logistics Support Activities	ional Systems Development	se Logistics Agency
APPROPRIATION: 0400D Research, Development, Test & Eval, DW	Program	Number	0603712S Generic Logistics Demonstrations	0603805S Dual Use Applicati	Advanced Technology Development (ATD)	0305840S Electronic Commerce	System Development and Demonstration (SDD)	0605798S Defense Technology Ar	RDIGE Management Support	0708011S Industrial Preparedno	0708012S Logistics Support Act	Operational Systems Developmen	Total Defense Logistics Agency

## DoD Human Resources Activity FY 2005 RDIGE PROGRAM

EXHIBIT R-1 Date: FEB 2004 13,756 13,756 52,407 52,407 10,598 10,598 FY 2005 76,761 Thousands of Dollars 13,611 FY 2004 13,611 15,286 15,286 28,897 15,230 FY 2003 15,230 12,666 12,666 27,896 APPROPRIATION: 0400D Research, Development, Test & Eval, DW Set Information Technology Development  $R \mathfrak{L} D$  in Support of DoD Enlistment, Testing and Evaluation System Development and Demonstration (SDD) Distributed Learning Advanced Technology Development Advanced Technology Development (ATD) Total DoD Human Resources Activity RDIEE Management Support Item 0605014SE 130 0605803SE 0603769SE Program Element Number Line 49 91

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# Defense Security Cooperation Agency FY 2005 RDIEE PROGRAM

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Line No 141

Date: FEB 2004 EXHIBIT R-1

o p	FY 2005 C	6,995 U	6,995	6,995
	Œ		6,995	966'9
Thousands of Dollars	FY 2004	5,840	5,840	5,840
The	FY 2003	2,739	2,739	2,739
	Act	7		
	Item	Partnership for Peace (PfP) Information Management System	Operational Systems Development	total Defense Security Cooperation Agency
Program	Number	0605127T	Operation	otal Defense

## Defense Security Service FY 2005 RDT&E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400D Research, Development, Test & Eval, DW

Date: FEB 2004	K) (a	FY 2005 C	D		
	Thousands of Dollars	FY 2004		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3	Thou	FY 2003	463	463	463
st & Eval, DW		Act			
APPROPRIATION: 0400D Research, Development, Test & Eval, DW		Item	Foreign Counterintelligence Activities	Operational Systems Development	se Security Service
RIATION: 04	Program	Number	0305127V	Operati	Total Defense
APPRO			172		